



НЕКОММЕРЧЕСКОЕ ПАРТНЕРСТВО  
NON-PROFIT-MAKING PARTNERSHIP

# ИНКОРВУЗ-XXI INCORVUZ-XXI

МЕЖДУНАРОДНЫЙ КООРДИНАЦИОННЫЙ СОВЕТ  
ВЫПУСКНИКОВ УЧЕБНЫХ ЗАВЕДЕНИЙ  
INTERNATIONAL COORDINATION COUNCIL  
OF EDUCATIONAL INSTITUTIONS ALUMNI

В ОФИЦИАЛЬНЫХ КОНСУЛЬТАТИВНЫХ ОТНОШЕНИЯХ С ЮНЕСКО  
IN FORMAL CONSULTATIVE RELATIONS WITH UNESCO

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№ 15 /10

17 марта 2010г.

**Руководителям международных служб  
образовательных учреждений  
высшего профессионального образования**

*Уважаемые коллеги!*

Бюро по обмену иностранными специалистами провинции Фуцзянь (КНР) приглашает российских специалистов к участию в научно-технических проектах китайских предприятий с целью оказания экспертной помощи с краткосрочным выездом в КНР в 2010 году с оплатой расходов за счет китайской стороны.

Темы проектов, требования к специалистам, условия участия в проектах и сроки выезда указаны в прилагаемых заявках

В случае Вашей заинтересованности мы готовы предоставить дополнительную информацию.

Резюме специалистов следует направлять в МКС «ИНКОРВУЗ-XXI» по адресу: [mks\\_incorvuz@mail.ru](mailto:mks_incorvuz@mail.ru)

Справки по тел.: (495) 330 8492, (495) 936 8416.

Приложение:

1. Форма резюме
2. Заявки на участие в проектах (8 шт.)

С уважением,

А.В. Добровольский,  
Генеральный директор

Исп.: Михалев В.А.: тел./факс. (495) 936 8416

**РЕЗЮМЕ СПЕЦИАЛИСТА**

**участника программы краткосрочных выездов в КНР в 2010 году**

(заполняется на английском языке с обязательным указанием номера проекта; ответы на вопросы приводятся в подробном виде с использованием неограниченного количества слов)

|                                                           |                                                  |
|-----------------------------------------------------------|--------------------------------------------------|
| <b>To:</b>                                                | место для служебных записей                      |
| <b>From:</b>                                              |                                                  |
| <b>Project No:</b>                                        | номер выбранного проекта (заполнять обязательно) |
| <b><i>Resume No.        /2010</i></b>                     |                                                  |
| <b>Mr. / Ms.:<br/>Name:</b>                               |                                                  |
| <b>Date of birth:</b>                                     |                                                  |
| <b>Passport №:<br/>Date of issue:<br/>Date of expiry:</b> |                                                  |
| <b>Education:</b>                                         |                                                  |
| <b>Scientific degree (title):</b>                         |                                                  |
| <b>Place of work and position:</b>                        |                                                  |
| <b>Field of activities:</b>                               |                                                  |
| <b>Practical activities:</b>                              |                                                  |
| <b>International experience and<br/>practice:</b>         |                                                  |
| <b>Linguistic proficiency:</b>                            |                                                  |
| <b>Requested time and duration<br/>of the mission:</b>    |                                                  |

**Контактная информация на русском языке:**

**Фамилия, Имя, Отчество**

**Тел./факс:**

**Адрес электронной почты:**

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Project No.:        | G20093500004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Project Name:       | Improve the process of auxiliary materials to reduce the attrition rate of aluminum master alloy.                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Real Client:        | Zhengbang ( Fujian ) Metallurgy Materials Co., Ltd.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| About Real Client:  | There are 16 managers, 5 professionals with senior title, 6 professionals with intermediate title, 5 business managers and 76 employees in the company. The occupying area of the first stage is 27,333.06 m2, including 15,000 m2 for workshop and 3,100 m2 for administrative and comprehensive buildings. The project was commenced in February 2007 and launched into operation in August 2007, with a total investment of RMB 80 million Yuan. The output value of RMB 150 million Yuan will be realized after the first stage is launched into production. |
| Project Brief:      | Application technology to control the attrition rate of aluminum master alloy. Currently, the demand to aluminum master alloy is in an increasing trend worldwide, especially the total yield of domestic large aluminum plants has doubled rapidly. Therefore, the product has broad marketing channels.                                                                                                                                                                                                                                                        |
| Project Goal:       | Nature of activity requited (project description) : Strengthen technical research to increase the utilization rate of the auxiliary materials and to reach the value lower than 3% of the international control level. Assignment target : The product is manufactured conforming to the international standard and to reach the requirement for export.                                                                                                                                                                                                         |
| Requirments:        | Professional metallurgical manufacture, and specialized in discussion and research on metallurgy industry.                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Number of Experts:  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Working Duration:   | 3 weeks in June,2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Working Conditions: | Excellent office and living conditions will be provided to the experts, salaries will be paid, and business expenditure will be written off, in addition, translators and assistants are available.                                                                                                                                                                                                                                                                                                                                                              |

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| Project No.:        | G20103500001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Project Name:       | Technological Guidance on New Laser Therapy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Real Client:        | Fuzhou Dermatologic Disease Prevention and Cure Hospital                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| About Real Client:  | Our hospital is a state-owned special hospital taking on preventing, curing, teaching researching and monitoring on Dermatologic and venereal diseases in Fuzhou City, establishing many departments such as precaution, health care, dermatonosis, cypridopathy, cosmetology and plastic, medical test, and combination of TCM with Western medicine, etc.<br>Our hospital has a total staff of 137 people, 108 of which are medical technologists. At present, this project is equipped with one Alma laser made in Israel and 10 professional technologists, among them, 8 have intermediate or above professional title.                                                                                                                                                                                                                                                                                                                                  |
| Project Brief:      | The dermatologic therapy and cosmetology have been adopted widely by more and more people. Our hospital is equipped with Alma laser-photon workstation and multiple-frequency laser (wavelength: 532/1064nm), carrying out dermatologic therapy and cosmetology with laser for more than ten years such as vascular and pig-mental diseases, acne, polytrichosis, skin aging, etc. The satisfactory therapeutic effects have been achieved for some diseases, but more therapeutic frequency would be needed, and the effective therapeutic measures have not been found for some entities up to now. We expect eagerly to invite foreign experts to guide us on dermatologic laser surgery in order to elevate our therapeutic level, solve the complicated problems in diagnosis and treatment, and bring benefit to more patients.<br>Nature of activity requested (Project description:<br>Laser therapy for vascular disease and cosmetology of the skin |
| Project Goal:       | Assignment target:<br>1. The parameters for Vbeam pulsed-dye laser. (wave-length: 595nm, beam width: 1.5-40ms, repetitive frequency: 1.5Hz, light spot diameter: 7mm, 10mm, 3x10mm, energy density: 5-25J/cm <sup>2</sup> ).<br>2. Pixel laser.<br>3. With the "magic mirror" software system. (It can determine underlying parameters of the skin and evaluate the curative effect punctually)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Requirments:        | An expert which is engaged in dermatologic laser surgery for 5 or more years and well-known in academic circles and can speak English is needed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Number of Experts:  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Working Duration:   | 3 weeks in June,2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Working Conditions: | We will ensure the expert can have appropriate and satisfactory working, transport, lodging and boarding conditions, for instance, office, translator/interpreter, technical assistant will be provided; the lodging room will be equipped with air conditioner; laundry service, pocket money, etc. will also be provided.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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| Project No.:       | G20103500004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Project Name:      | Woven fabrics of high performance R & D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Real Client:       | <p>Fujian LongFeng Textile Science and Technology Industrial Co., Ltd.</p> <p>Fujian LongFeng Textile Science and Technology Industrial Co., Ltd. is an exclusively foreign-owned enterprise which integrates textile, clothing, computerized embroidery and business trade, etc. It specializes mainly in producing various kinds of high-grade textile fabrics and covers an area of 43,000 square meters, with more than 500 employees and a total asset of 380 million yuan. The number of internationally advanced and computerized Tsudakoma water-jet looms exceeds 600. What's more, it has 3 sets of warping and sizing equipment as well as several sophisticated detecting instrument.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| About Real Client: | <p>Taking "innovating products, enhancing quality and bettering service" as its aim, the company has passed ISO 9001 Quality Control Systematic Certification as well as ISO 14001 Environmental Management Systematic Certification and it has independently produced Nano charcoal thread and a variety of 15D, 20D, 30D nylon taffeta of high-density as well as superfine textile fabric which has the function of moisture absorption and perspiration. Attaching great importance to quality of products and development of new products, the company has produced a variety of "LongFeng" brand textile fabric which enjoys a high reputation at home and abroad and has been expanding its sales market increasingly: products spread over countries of Southeast Asia, the Middle East and so on. Furthermore, its economic strength enjoys a prime position in the same industry. It has been awarded many honorary titles, such as one of "International Quality AAA-Level Credit Enterprises", "Fujian Top Brand Products", "High-Tech Enterprises in Fujian Province" and "Key Enterprises in Fujian Province".</p> <p>The company has founded Research &amp; Development Center which is made up of the following members: 1 doctor, 5 senior engineers specializing in making high-grade fabric, 27 senior technicians and some collaborators from Zhejiang University. With these members' concerted efforts, the company has been honorably awarded with "Fabric-Innovation Center in Textile Industry in Fujian".</p>                                                                                                                                                                                                                                     |
| Project Brief:     | <p>1. The main task of this project is how to give the fabric to eliminate hot and dripping wet feeling, keep the body cool surface. Not only by the development of fabrics can absorb moisture from sweat, at the same time the role of both anti-bacterial, made after the wear comfortable clothing, health, and promote a higher level sports fabrics.</p> <p>2. Research and development of this project the main use of nylon wire and nano bamboo charcoal Cross has a smooth, silk texture, moisture absorption, such as perspiration and anti-bacterial characteristics, which are basic raw materials, research materials mixing ratio weaving, weaving technology, as well as fabrics settings, such as the contents of the structure. For raw materials in woven easily broken due to tension by the uneven fabric, easy-pilling, texture and poor can be difficult, in the warping, sizing, weaving and other major technology breakthroughs in the technical study, at the same time the structural design of fabrics using categories cellular organization, Grid be dark, so cool to wear clean, comfortable and healthier.</p> <p>3. Cross nylon filament yarn and nano bamboo charcoal knitting the two fields of raw materials are the materials, the project by weaving a breakthrough technology, the success achieved in the production of knitted fabrics on the technical difficulty of the material to be used.</p> <p>4. Design patterns using cellular-type organizations, Grid be dark so that it can play a breathable, moisture, perspiration, antibacterial efficacy, reduce the surface temperature so as to achieve and maintain the skin cool and healthy purpose, to become the first choice for sports and leisure services fabric.</p> |
| Project Goal:      | <p>1、 After repeated washing in fabric, the effect of a stable, non-deformation; expected to overcome the raw material for the successful woven uneven tension on the vulnerable, broken by the woolen, easy pilling, texture and poor can be difficult, in the main technology research there is a qualitative breakthrough functional</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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|                     | <p>fabric stability, not degradation.</p> <p>2、 Shuttleless loom use in new materials to achieve a permanent moisture absorption and antibacterial efficacy of perspiration. Target the source material for the further expansion of R &amp; D, using new materials to make fabrics of functional improvement of a qualitative and an extension of fabric moisture and perspiration to further enhance the effectiveness of antimicrobial to be retained in perpetuity.</p> <p>3、 The organizational structure of fabric using a variety of shapes, or using a variety of shapes. Increase the maximum three-dimensional surface area and porosity.</p> |
| Requirments:        | <p>1. Textile fabrics of high-grade high scientific attainments, should be involved in a major high-grade fabric fabric research and development projects, especially the fabric of research, multi-purpose high</p> <p>2. at least senior engineer</p> <p>3. younger than 55 complete years</p>                                                                                                                                                                                                                                                                                                                                                        |
| Number of Experts:  | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Working Duration:   | 2009.5—2014.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Working Conditions: | Quanzhou shenhu will supply special research institute, test equipments, house( 2 rooms and 1 hall) and needed research funds                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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| Project No.:       | G20103500005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Project Name:      | research and develop insulation components of operating mechanism of high voltage switch breaker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Real Client:       | <p>Quanzhou Sanxing Electric Control Device Co., LTD</p> <p>Quanzhou Sanxing Electric Control Device Co., LTD (hereinafter called Quanzhou Sanxing) is a medium sized new and high-tech machining company integrates research, production and sales. Headquartered in Hi-tech Park of Fujian Quanzhou</p> <p>Quanzhou Sanxing Electric Control Device Co., LTD (hereinafter called Quanzhou Sanxing) is a medium sized new and high-tech machining company integrates research, production and sales. Headquartered in Hi-tech Park of Fujian Quanzhou Economic &amp; Technical Development Area, Quanzhou Sanxing covers an area of 33000 m2 with 42000 m2 of building area, total investment is 80 million. It owns a Technology Center with investment of 7.5 million and playing a very important role in industrial agglomeration and technology development in Quanzhou.</p> <p>Quanzhou Sanxing was granted as "Fujian New and High Technology Enterprise" in 2002, "National Enterprise whose quality and services can meet the requirements of customers" in 2003, "Fujian Model Enterprise of Harmonious Labor Relationship" in 2006.</p> <p>Honors of Quanzhou Sanxing:</p> <ol style="list-style-type: none"> <li>1. High-tech Enterprise of State Torch Program in 2006</li> <li>2. Most Influential Innovative Achievements in China in 2006.</li> <li>3. In competition of "Ankang Cup", ABB workshop of Quanzhou Sanxing was honored as "the best team" and "Best 10 Private Enterprise of Quanzhou 3rd Moving Employees"</li> </ol> <p>Certifications:</p> <ol style="list-style-type: none"> <li>1. ISO9001 : 2000 Quality Management System Certificate</li> <li>2. ISO14001 : 1996 Environment Management System Certificate</li> <li>3. OHSAS18001 : 2001</li> </ol> <p>Always pursued for technological innovation, Quanzhou Sanxing has worked jointly with Zhejiang University to establish Technology Center with 1 doctor, 27 engineers. "CHB110-1200Q switch electric conduction contact arm assemble parts Project" was honored as "Project of State Torch Program"</p> |
| About Real Client: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Project Brief:     | <ol style="list-style-type: none"> <li>1. Bring into advanced PRO/E software design system, research and develop the moulds and assembly technics of products in order to meet the technical requirements of high voltage switch devices.</li> <li>2. Using 40 tons hydraulic pressure forging machine, develop total automatic control system of hydraulic pressure forging machine to control the deformation temperature, degree and speed to assure proportionality of structure and density, good physical property ( hardness 87+10 , tensile strength 285bac MPa, elongationδ46%) or electric conductivity &gt;57 ( IACs % ) ms/m, stability when temperature rise ( K ) &lt; 10.73. This project adopt Die forging technology, PLATINI silver-plating technology, insulating material coating technology to assure the best property of forging parts, proportionality of structure and density, no appearance defects such as crack, pucker, no defects which will influent the mechanical property, physical property or electric conductivity such as inner crack, ect.</li> <li>4. adopt PLATINI silver-plating technology and epoxy resin coating technology to assure the proportionality of layer, stability of electric conductivity so that the products can adapt to warm and humid and salt fog surroundings, good stability and Acidity and alkaline resistance.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Project Goal:      | <ol style="list-style-type: none"> <li>1. completely compatible of products and switch breaker system , the re-set target is assure the best property of forging parts, proportionality of structure and density, no appearance defects such as crack, pucker, no defects which will influent the mechanical property, physical property or electric conductivity such as inner crack, ect.( electric conductivity should exceed 60 ( IACs% ) ms/m)</li> <li>2. research development, security and environmental suitability of electrical insulating material technology , the re-set target is under the high temperature of 130°C or low temperature of -45°C the insulation layer can not be breakdown or crack</li> <li>3. research surface treatment technology, the re-set target is assure the products can adapt to warm and humid and salt fog surroundings, good stability and Acidity and alkaline resistance</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Requirments:       | Has a good command of high voltage switch system and parts especially high voltage switch breaker, has ability to research and develop important electricity transmission & distribution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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| Number of Experts:  | 3                                                                                                                              |
| Working Duration:   | 3 weeks in June,2010                                                                                                           |
| Working Conditions: | Quanzhou Sanxing will supply special research institute, test equipments, house( 2 rooms and 1 hall) and needed research funds |

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| Project No.:        | G20103500006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Project Name:       | The Technology of High-Accuracy Flow Measuring Instrument                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Real Client:        | Fujian Wideplus Precision Instruments Co., Ltd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| About Real Client:  | <p>The company is a new and high-tech corporation specializing designing and producing industrial automated instruments, including measuring instruments, display and controlling instruments and actuators.</p> <p>The company possesses a developing and precise processing technician team which integrates computer, software, precise instruments and moulds. It has 430 researching and developing staffs which take up 36% in the company's total personnel. Through the cooperation with domestic first class universities and research institutions, such as Tianjin University, Fuzhou university, South China University of Technology (the company is a mechanic post-doctoral researching station of South China University of Technology.) and Shanghai Industrial Automated Instruments Researching Institution, the company improves its researching and developing capability. In the hard infrastructure, it is equipped with precision processing equipments, such as CNC high-speed processing center, low-speed wire cutting machine, EDM machines made in Japan, EDM puncher, high-speed precision punching machine and heat treatment equipments, and more than 600 sets precision measuring instruments, such as Nikom projector, universal microscope, quartz tester.</p> |
| Project Brief:      | <p>Nature of Activity requested(project description:<br/>Develop and support flow measuring instruments with high accuracy based on various measuring theories, such as electromagnetism, coriolis force, ultrasound, develop and study special measuring technology, such as multiphase flow, and attach great importance on the development of technologies on high accuracy, high reliability and intrinsic safety, and support related research on high accuracy flow measurement and calibration technology</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Project Goal:       | <p>Assignment target:<br/>The measuring accuracy of high accuracy coriolis force flowmeter reaches 0.2%, ultrasound flowmeter 0.5% and sophisticated electromagnetic flowmeter 0.15%.</p> <p>Major: Industrial Automation</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Requirments:        | <p>Language: Chinese and English</p> <p>Experience: Has the experience in researching and developing electromagnetic, coriolis force and ultrasound high accuracy flowmeters.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Number of Experts:  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Working Duration:   | 3 weeks in June,2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Working Conditions: | We will ensure the expert can have appropriate and satisfactory working, transport, lodging and boarding conditions, for instance, office, translator/interpreter, technical assistant will be provided; the lodging room will be equipped with air conditioner; laundry service, pocket money, etc. will also be provided.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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| Project No.:       | G20103500007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Project Name:      | The developmant of modern engine piston ring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Real Client:       | HUAMIN NANPING AUTOMOBILE FITTINGS GROUP CO.,LTD<br>my company began technical cooperation with Japan's NPR companies in the 1980s, importing and digesting Japanese NPR companies piston ring designing and manufacturing, testing patented technology with good product design and development capabilities,we made investment and construction of engine test rooms and rapid wear laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| About Real Client: | In 1999, we obtained the ISO 9001 international quality system certification. And ISO/TS16949 in 2004 : 2002 international quality management system certification. The company has an annual output of 30 million piston rings with various types ,rough casting workshop materials, end-grinding shop, seven machine production lines, two steel ring production lines (nitrogen processing lines), six Central strip portfolio lining production lines, two automatic and flexible chrome-plating production lines, an automatic phosphiding production line, a comprehensive automatic chrome-plating production line, with capability of producing different styles of the piston ring and gasoline engines. The company has a certain strength, and now its products account for 20% of domestic market share of piston ring. The major product-related manufacturers include Shenyang Mitsubishi, Mitsubishi, Shenyang Xinguang, Mianyang 491, Tianjin Xiali, Chery Automobile, Geely Automobile, Beijing Jeep, Dongdongli, Liuzhou Machinery, Heavy Duty Truck Group Corp , Hangzhou Steam motor, Dongfeng Chao Yang Diesel Engine, Jialing Motorcycles, Lifan motorcycles, etc, and with provision of various types of maintenance services and accessories.<br>As the key part of engine, the project products piston, piston ring, cylinder liner and piston pin extensively touch the fields of automobile, heavy truck and gas engine and diesel engine of motorcycle and so on. It developed rapidly in the recent years. The market prospect is rather bright. |
| Project Brief:     | The company introduced Japan designing and manufacturing technology, now it has strong capability on designing piston ring and piston. All of the key facilities such as advanced equipments and testing instruments, Japan R-4MG, R-5MG piston ring shaping grinding machine, R-3SR piston ring multi-procedure lathe, double end -face grinding machine for manufacturing thin piston ring, full-automatic back-up shaping machine, steel ring digital-control circling instrument, contour measuring instrument, roundness and cylindrical profile measuring instrument and Swiss inside / outside ring modeling lathe are imported from foreign advanced countries.<br>Raw material: domestic pig iron and aluminum. Steel piston rings' raw material: Hitachi Metals.<br>Main process flow: Casting — Machining operation — Surface treatment — precision finishing — finished product.<br>Chief technicians: 109 professional technicians with rich experience.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Project Goal:      | —、 Problem needs settle of Piston Ring<br>1、 The design and manufacture technique of piston ring for high-speed diesel engine<br>2、 CKS metal porcelainized and compound electroplates technology:<br>3、 PVD treatment technology of steel piston ring<br>4、 Special honing technology of piston ring<br>5、 Ultrathin Gas/Oil cast iron ring processing technique                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Requirments:       | Experts at design and manufacture of piston and piston ring factory in Japan, America, German and Europe, such as RIKEN, NPR, TP, GOETZE, etc, can chiefly solve the problems above, especially those talent for surface treatment of piston, such as CKS metal porcelainized and compound electroplates technology and so forth. The best language should be Chinese, but Japanese is better as well as English.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Number of Experts: | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Working Duration:  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Working            | We can afford accommodations and transportation, rent local                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

Conditions:

hotels with air-conditioner in Nanping, etc. experts have the professional knowledge of piston and piston ring or mechanical knowledge. Our company will pay other requirements, such as the expenses for transportation of air tickets there and back and the cost of living during working period.

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| Project No.:       | G20103500008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Project Name:      | the development of high strength, high wear-resisting, low heat inflation gas engine piston material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Real Client:       | HUAMIN NANPING AUTOMOBILE FITTINGS GROUP CO.,LTD<br>my company began technical cooperation with Japan's NPR companies in the 1980s, importing and digesting Japanese NPR companies piston ring designing and manufacturing, testing patented technology with good product design and development capabilities,we made investment and construction of engine test rooms and rapid wear laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| About Real Client: | In 1999, we obtained the ISO 9001 international quality system certification. And ISO/TS16949 in 2004 : 2002 international quality management system certification. The company has an annual output of 30 million piston rings with various types ,rough casting workshop materials, end-grinding shop, seven machine production lines, two steel ring production lines (nitrogen processing lines), six Central strip portfolio lining production lines, two automatic and flexible chrome-plating production lines, an automatic phosphiding production line, a comprehensive automatic chrome-plating production line, with capability of producing different styles of the piston ring and gasoline engines. The company has a certain strength, and now its products account for 20% of domestic market share of piston ring, The major product-related manufacturers include Shenyang Mitsubishi, Mitsubishi,Shenyang Xinguang, Mianyang 491, Tianjin Xiali, Chery Automobile, Geely Automobile, Beijing Jeep, Dongandongli, Liuzhou Machinery,Heavy Duty Truck Group Corp , Hangzhou Steam motor, Dongfeng Chao Yang Diesel Engine,Jialing Motorcycles, Lifan motorcycles, etc, and with provision of various types of maintenance services and accessories.                                                                                                                                                                                                                                                                                                                   |
| Project Brief:     | The new generation engine's power density, the rotational speed , the two have a large scale enhancement。 The working life of the engine has been advanced from the original 250,000 kilometers to 500,000 kilometers. And the emissions target is getting more and more strict. In order to achieve EuropeIV, EuropeVOr have EuropeVpotential emissions laws and regulations request, piston withstanding the mechanical load and the temperature increases enormously. Simultaneously it requests the piston motion friction loss to reduce. The piston's service life must be long. The engine's high rotational speed requests the piston quality to be light, the force of inertia to be small. thus development of the new generation motor car engine piston materials is imperative. This project mainly researches and develops high strength, high wear-resisting, the low heat inflation motor car engine piston materials, synchronized develops computer simulation technical analysis, and adadapts the new engine piston's demand.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Project Goal:      | 1、 A new High-temperature, high strength piston materials and composite coating technology<br>New material requirements: tensile strength at room temperature $\geq 250\text{N/mm}^2$ , under high-temperature tensile strength $\geq 140\text{N/mm}^2$ .<br>High self-lubricating material, a relatively small friction coefficient, excellence chemical stability and high temperature performance, etc..<br>Anticipated target: It reduces the piston to be opposite in air cylinder's friction of motion coefficient, thus it enhances piston's resistance to wear, the anti-adhesion is better. It is enabled to have the anti-attribution and anti-pulls the cylinder performance, then It enhances piston's service life. It shall reduce the gap where the piston match the cylinder , shall reduce the friction attrition of the piston and the cylinder body effectively in the high low temperature, under the height rotational speed different operating situation. simultaneously it reduces engine's power loss, breaks through the question that using the graphite coating solely under certain operating mode condition , the coating performance is not ideal.<br>2、 Using the newest piston simulation parsing technique<br>Design requirements: Carrying on the computer simulation computation to the piston temperature field, the mechanical stress and the thermal load, and carrying on the kinematic analysis to the piston.<br>Goal: The piston dynamics emulation technique can simulate piston's state of motion, calculates the piston and the cylinder |

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| Requirments:        | <p>body contact pressure, the piston swinging angle, which provides the help to the designs and the confirmation design result, and causes piston's structure optimization.</p> <p>Experts at piston ring factory in Japan, America, German and Europe, such as RIKEN, NPR, TP, GOETZE, etc, can chiefly solve the problems above, especially those talent for surface treatment of piston, such as CKS metal porcelainized and compound electroplates technology and so forth. The best language should be English.</p> |
| Number of Experts:  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Working Duration:   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Working Conditions: | <p>We can afford accommodations and transportation, rent local hotels with air-conditioner in Nanping, etc. experts have the professional knowledge of piston and piston ring or mechanical knowledge. Our company will pay other requirements, such as the expenses for transportation of air tickets there and back and the cost of living during working period.</p>                                                                                                                                                  |

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| Project No.:        | G20103500009                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Project Name:       | The Designing and Production of Automated Assembly Line of Watch Movements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Real Client:        | Fujian Wideplus Precision Instruments Co., Ltd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| About Real Client:  | The company produces timing instruments, which are mainly plastic quartz watch movements with annual output 90,000,000 pcs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Project Brief:      | The company specializes in producing plastic quartz watch movements. There are more than 900 staffs for products' researching and producing, 70% of which are assembly workers of watch movement. The company independently develops all the assembly technics from plastic moulds, hardware molds to injection molding. Equipments for molds and injection molding are all imported from Japan and Germany. For the whole process of assembly is finished by manpower, in order to decrease the labor cost, the company has quicken its research on automated assembly line and hope to replace labor assembly by automated assembly. |
| Project Goal:       | Nature of Activity requested(project description: The designing and production of automated assembly line of watch movements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Requirments:        | Assignment target: Realize automated assembly of watch movements.<br>Timepiece industry.<br>Be familiar with the structure of automated assembly line of watch movements<br>Language: Chinese and English.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Number of Experts:  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Working Duration:   | 3 weeks in June,2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Working Conditions: | We will ensure the expert can have appropriate and satisfactory working, transport, lodging and boarding conditions, for instance, office, translator/ interpreter, technical assistant will be provided; the lodging room will be equipped with air conditioner; laundry service, pocket money, etc. will also be provided.                                                                                                                                                                                                                                                                                                           |