**Site Management ● Mechanical Engineering ● Supervisor & Consultant ● Commissioning**

**Personal Information**

|  |  |
| --- | --- |
| **Surname and Name** | **Gacoski Kristijan** |
| **Address** | Bul. Mitropolit Teodosij Gologanov 74/2-9,  1000 Skopje, Macedonia |
| **Phone** | +389 70 523679 |
| **E-mail** | kristijangac@yahoo.com |
| **Date and Place of birth** | 28.11.1974, Skopje, Macedonia, Europe |
| **Nationality** | Macedonian |
| **Marital status** | Married |

**Summary**

* Highly accomplished, result-driven Mechanical Engineer with international experience in commissioning and supervisory control of Mechanical Systems, testing of Mechanical assemblies and equipment, and management of projects. Consistent history of improving quality and safety through effective coordination of preventive and predictive maintenance, repairs, and system commissioning. Ensuring compliance with standards.
* B.S. Degree in Mechanical Engineering.
* Lead Mechanical Engineer - Consultant in **WSP UK Ltd**– Aboadze Site, Takoradi, Ghana.
* Site Project Manger - Consultant in **Mott MacDonald** – Brade Site office, Montserrat, Caribbean.
* Lead Mechanical Engineer - Consultant and Supervisor for mechanical task in **RAWEC - Rabigh Arabian Water and Electricity Company - Rabigh, Saudi Arabia**
* Site Construction Manager - Consultant in **Fichtner GmbH & Co.KG** – Nyakato Site, Mwanza, Tanzania.
* Senior Mechanical Engineer - Consultant and Supervisor for mechanical task in **Fichtner GmbH & Co.KG** – Nyakato Site, Mwanza, Tanzania.
* Senior Mechanical Engineer - Consultant and Supervisor for mechanical task in **Fichtner GmbH & Co.KG** – Tufanbeyli Site, Tufanbeyli, Turkey.
* Senior Mechanical Engineer - Consultant and Supervisor for mechanical task in **Fichtner GmbH & Co.KG** – Ubungo Site, Dar es Salaam, Tanzania.
* More than two years Mechanical Engineer – Consultant and Supervisor for mechanical task in **AF-Colenco AG** - Skopje, Macedonia.
* More than three years Shear Line Manager in “**ArcelorMittal (CRM) & “ArcelorMittal (HRM)** – Skopje” - Skopje, Macedonia.
* More than one year Mechanical Engineer - Plant Manager in **Kanar 92** (Former MZT - FAM) – Skopje.
* Excellent knowledge of Microsoft’s Operating Systems and Microsoft Office and Internet.
* Excellent knowledge of professional programs AutoCAD, Mechanical Desktop, Mechanical Power Pack, Mastercam and Proengineer.
* Excellent knowledge and experience working with ASME, ANSI, AWS, NFPA, OSHA, ISO, EN and DIN standards.

**Areas of Expertise**

Systems Commissioning & Maintenance • Construction Supervision • Testing • Predictive Maintenance • Preventive Maintenance • Management • Documentation • Design Review • Site Inspections • Drawing Rework • Team Leadership • QC & QA • NDT techniques • Safety & Compliance • Contract Negotiations • FIDIC Contract • EPC-Contract • Working with ASME, ANSI, AWS, NFPA, OSHA, ISO, EN, BS and DIN standards.

**Professional Experience**

|  |
| --- |
| **WSP UK Ltd. – Aboadze Site Office – Takoradi, Ghana ● January 2018 – June 2018** |
| **Lead Mechanical Engineer - Consultant and Supervisor** |
| Provide Mechanical Site Construction supervision as Owner's representative at 192MW CCPP in Aboadze (Takoradi) Ghana. Monitoring site execution according to the EPC-Contract, FIDIC, schedule and technical documentation. Supervising, advice and control erection and constructions of the Gas Turbine, Steam Turbine, Boiler (HRSG), Storage Tanks (Untreated Light Crude Oil, Treated Light Crude Oil, Diesel Fuel Oil, Demineralised Water, Fire Fighting), equipment, piping, pumps, steel structure, radiators and other equipment for 192MW CCPP. Reviewing and approval of project documentation, procedure approval. Reviewing and approval execution of the work of subcontractors. Carried out daily Site inspections, and preparing daily, weekly and monthly Project Progress Report. Carried out the contractual QA/QC witnessing as/of OE activities. Carried out Inspection for compliance with international standards: ASME, ANSI, AWS, NFPA, OSHA, ISO and DIN. Check the equipment for completeness, damages, dimensions and availability of interfaces. |
| Project Details:  Owner: Amandi Energy Ltd; EPC-Contractor: METKA S.A– Greece |
| 192MW CCPP at Aboadze – GE Frame 9E Multi Shaft Gas Turbine & GE Steam Turbine. |
|  |
| **Mott MacDonald - Brade Site office, Montserrat, Caribbean ● October, 2016 – August, 2017** |
| **Site Project Manager – Consultant** |
| Responsible for monitoring of the project at site and coordinating the design review process. Perform all duties necessary for and which are normally included in on-site engineering monitoring services during the implementation of construction contracts, to ascertain that all work generally conforms with the installation and construction requirements of the contracts. Carry out daily site inspections to monitor work plans and the progress of work; provide technical inspection of construction for compliance with the contract documents and the safety regulations. Witnessed during the daily site inspections. Review contractor’s method statements and risk assessments to ensure the work will be carried out safely and as per the specification. Prepare monthly reports on the status of the design review process, HSE elements, the progress of the works. Establish lists of corrective work to be performed by contractors and follow up such lists to ascertain that the necessary corrective works as performed. Measure, and/or confirm contractor's measurements of, quantities or progress for interim payment purposes in accordance with contract provision. Maintain orderly records at the site office for all correspondence, drawings, reports of site meetings, contract documents, addenda, variation orders, and supplementary drawings issued subsequently to award of contract. Maintain records, as appropriate, to support and document any changes necessary on site. Monitor the commissioning tests in accordance with the terms and conditions of the construction contract; check that all of the equipment complies with the specifications and performs in accordance with the design requirements. Prepare interim and final acceptance certificates and advise the Client on acceptance, and follow up and re-inspect on all contract deficiencies. Define and recommend the points and times of take over, and define the guarantee period for all facilities; assist with the formal hand over of the facilities to Montserrat Utilities Limited and issue the Taking Over Certificate to the contractor as appropriate. |
| **Project Details:** |
| Owner: MUL (Montserrat Utility Ltd); EPC-Contractor: Angelique International Ltd – India |
| Brades Power Station Expansion – 1,5MW Diesel, 1 x 1,5MW ABC Diesel Engine 8DZC-900-166 |
|  |
| **RAWEC - Rabigh Arabian Water and Electricity Company - Rabigh, Saudi Arabia ● August, 2014 - December 2015** |
| **Lead Mechanical Engineer - Consultant and Supervisor** |
| Provide Mechanical site supervision as Owner's representative at 240MW IWSPP (Independent Water, Steam Power Plant) in Rabigh, Saudi Arabia. Monitoring site execution according to the EPC-Contract, FIDIC, schedule and technical documentation.  Supervising, coordinate, advice and control erection and constructions of the Steam Turbines, Boilers (Boilers, Air Preheaters, Electrostatic Precipitators, Flue Gas Desulfurization and Stacks), Desalination Plant, Storage Tanks (Fuel oil, Diesel Oil, Demineralised, Condensate and Mixing Tanks), equipment, piping, pumps, steel structure and other equipment for 240MW IWSPP. Responsible Engineer for team of inspectors (3 Welding Inspectors, Static Equipment Inspector and Rotary Equipment Inspector). Reviewing and approval of project documentation, procedure approval. Reviewing and approval execution of the work of subcontractors. Carried out daily Site inspections, and preparing daily, weekly and monthly Project Progress Report. Carried out the contractual QA/QC witnessing as/of OE activities. Carried out Inspection for compliance with international standards: ASME, ANSI, AWS, NFPA, OSHA, ISO and DIN. Check the equipment for completeness, damages, dimensions and availability of interfaces. Holding weekly meetings with Mechanical Team. |
| **Project Details:**  Owner: RAWEC; EPC-Contractor: Mitsubishi Heavy Industries Ltd – Japan |
| Rabigh IWSPP Phase II, 2 x 120MW Mitsubishi SC1F-25 -Steam Turbine. |
|  |
| **Fichtner GmbH & Co.KG - Nyakato Site office, Mwanza, Tanzania ● September, 2013 -**  **January, 2014** |
| **Site Construction Manager – Consultant** |
| Providing Site Management and Supervision as Owner's representative for Construction of 60MW HFO Power Plant in Nyakato, Mwanza, Tanzania. Responsible for all Site administration, Contract administration and all technical activities in accordance with the drawings, specifications and applicable regulations and standards. Monitoring site execution according to the EPC-Contract, FIDIC, schedule, cost and technical documentation. Providing technical advisory services for supply, installation, testing and commissioning of 60MW HFO PP. Carried out daily Site inspections, and preparing daily, weekly, monthly and annual Project Progress Report. Approve execution of the work of subcontractors. Responsible for the coordination between Contractor, Client, Consultant and/or other parties. Responsible for the preparation of the MoM on all meetings between Contractor, Client, Consultant and/or other parties. Holding weekly co-ordination meetings at site between key members of the Client /Consultant and the EPC-Contractor. |
| **Project Details:**  Owner: TANESCO (Tanzanian Electrical Supply Company); EPC-Contractor: SEMCO Maritime A/S - Denmark |
| Nyakato 60MW HFO Power Plant, 10 x 6MW Rolls Royce Diesel Engine B32:40. |
|  |
| **Fichtner GmbH & Co.KG - Nyakato Site office, Mwanza, Tanzania ● May, 2013 - August 2013** |
| **Senior Mechanical Engineer - Consultant and Supervisor** |
| Provide Mechanical site supervision at 60MW HFO Power Plant in Mwanza, Tanzania. Supervising, coordinate, advice and control erection and constructions of whole equipment for 60MW HFO PP (Diesel engines, equipment, piping, steel structure, tanks, radiators and Balance of Plant). Carried out the contractual QA/QC witnessing as/of OE activities: Witnessing of trial tests (welder tests, NDT tests carried out by third party, high pressure tests, hydro tests etc.). Carried out Inspection for compliance with international standards: ASME, ANSI, AWS, NFPA, OSHA, ISO and DIN. Check the equipment for completeness, damages, dimensions and availability of interfaces. Carried out in daily walk downs and inspection for completion and review of punch items and responsible for the preparation of punch list. Conducted reviewing and approval of project documentation, procedure approval, follow up commissioning of all systems for 60MW Nyakato HFO PP. Conducted reviews of the Turn Key Contractors O&M manuals. Conducted reviewing and approval of project documentation, procedure approval. Supervising of all Commissioning activities. Supervising Commissioning activities of Rolls Royce B32:40 Engines. |
| **Project Details:**  Owner: TANESCO (Tanzanian Electrical Supply Company); EPC-Contractor: SEMCO Maritime A/S - Denmark |
| Nyakato 60MW HFO Power Plant, 10 x 6MW Rolls Royce Diesel Engine B32:40. |
|  |
| **Fichtner GmbH & Co.KG - Tufanbeyli Site office, Tufanbeyli, Turkey ● August, 2012 -**  **February, 2013** |
| **Senior Mechanical Engineer - Consultant and Supervisor** |
| Provide Mechanical site supervision at 450MW Coal (Lignite) Fired Power Plant in Tufanbeyli, Turkey. Supervising, coordinate, advice and control erection and constructions of whole equipment for 450MW TPP (Steel structure, Boilers, Piping, Cooling Tower, Coal Bunkers, Air Preheaters, Electrostatic Precipitators, Flue Gas Desulfurization, Tanks, Ash Handling Systems and Balance of Plant). Carried out the contractual QA/QC witnessing as/of OE activities: Witnessing of trial tests (welder tests, NDT tests carried out by third party, high pressure tests, hydro tests etc.). Carried out Inspection for compliance with international standards: ASME, ANSI, AWS, NFPA, OSHA, ISO and DIN. Check the equipment for completeness, damages, dimensions and availability of interfaces. Carried out in daily walk downs and inspection. Conducted reviewing and approval of project documentation, procedure approval. |
| **Project Details:**  Owner: ENERJISA; EPC-Contractor: SK E&C - South Korea |
| Tufanbeyli 450MW Thermal Power Plant, 3 x 150MW SIEMENS Steam turbines with Coal (Lignite) Fired. |
|  |
| **Fichtner GmbH & Co.KG - Ubungo Site office, Dar es Salaam, Tanzania ● Novem., 2011 – July, 2012** |
| **Senior Mechanical Engineer - Consultant and Supervisor** |
| Provide Mechanical site supervision at 100MW power plant in Dar es Salaam, Tanzania. Supervising, coordinate, advice and control erection and constructions of whole equipment for 100MW Ubungo PP (Gas Turbines, equipment, piping, pumps and Balance of Plant). Carried out the contractual QA/QC witnessing as/of OE activities: Witnessing of trial tests (welder tests, NDT tests carried out by third party, high pressure tests, hydro tests, air compression tests etc), performance tests and certification of crane equipment. Carried out Inspection for compliance with international standards: ASME, ANSI, AWS, NFPA, OSHA, ISO and DIN. Carried out commissioning, test and trial run of the assigned works and their interfaces as per contract. Check the equipment for completeness, damages, dimensions and availability of interfaces. Carried out in daily walk downs and inspection for completion and review of punch items and responsible for the preparation of punch list. Conducted reviewing and approval of project documentation, procedure approval, follow up commissioning of all systems for 100MW Ubungo PP. Conducted Design reviews of the Turn Key Contractors O&M manuals. Conducted reviewing and approval of project documentation, procedure approval. Supervising of all Commissioning activities. Supervising Commissioning of Siemens SGT-800 Gas Turbines. |
| **Project Details:**  Owner: TANESCO (Tanzanian Electrical Supply Company); EPC-Contractor: Jacobsen Elektro AS - Norway |
| Ubungo II 100MW Gas Power Plant, 3 x 35MW SIEMENS SGT-800 Gas turbines with Natural Gas fuel. |
|  |
| **AF-Colenco AG - Skopje Site office, Skopje, Macedonia ● April, 2009 – October, 2011** |
| **Mechanical Engineer - Consultant and Supervisor** |
| Provide mechanical Site Supervision at 220MW CCPP Te-To in Skopje, Macedonia. Supervising, coordinate, advice and control of the mechanical erection and constructions of whole equipment for CCPP Te-To (piping, equipments, pumps, Gas and Steam -Turbines, HRSG, Steel structure and Balance of Plant). Carry out the contractual QA/QC witnessing as/of OE activities. Witnessing of trial tests (welder tests, NDT tests carried out by third party, high pressure tests, hydro tests, air compression tests etc.), performance tests and certification of crane equipment. Reviewing and approval of the Power Plant As-Build documentation. Carried out Inspection for compliance with international standards: ASME, ANSI, AWS, NFPA, OSHA, ISO and DIN. Carried out commissioning, test and trial run of the assigned works and their interfaces as per contract. Check the equipment for completeness, damages, dimensions and availability of interfaces. Carried out in daily walk downs and inspection for completion and review of punch items and responsible for the preparation of punch list. Conducted reviewing and approval of project documentation, procedure approval, follow up commissioning of all systems for 220MW CCPP Te-To. Conducted Design reviews of the Turn Key Contractors O&M manuals. |
| **Project Details:**  Owner: Te-To; EPC-Contractor: GAMA Power - Turkey |
| CCPP Te-To 220MW. Combine Cycle Cogeneration Power Plant, Power: 220-240MWel, and 160MWtherm. Gas Turbine ALSTOM GT 13E2 – 180MWel., and Steam Turbine ALSTOM 8CK76 – 160MWtherm. with Natural Gas fuel. |
| **ArcelorMittal Skopje - CRM & HRM - Skopje, Macedonia ● February, 2006 – April, 2009** |
| **Shear Line Manager** |
| Management and organization, as well as supervision of all activities for regular function of Shear Line (responsible for 120 person’s foreman and workers). Holding daily, weekly, monthly meetings with deputies for delegation of tasks. Preparing production business plan and adequate strategies for its fulfilment, administrative duties and other organizational issues. Preparing consumption budget and implementing it. Organizing and monitoring maintenance of the equipment. Active trouble shooting regarding production equipment. Coordination with all production lines, which are before and after the shear line in order to fulfilment the business plan. Preparing programs for cutting and packing of materials. Preparing daily, weekly, monthly and annual reports. Also, Deputy Coordinator for implementation of ISO 9001 -2000 Quality System. |
|  |
| **Kanar 92 (Former MZT - FAM) – Skopje, Macedonia ● July, 2004 – February, 2006** |
| **Mechanical engineer - Plant Manager** |
| Management and organization of all activities for regular function of Production Plant. Organizing, planning, control and supervision of production. Preparing production business plan and adequate strategies for its fulfilment, administrative duties and other organizational issues. Preparing consumption budget and implementing it. Organizing and monitoring maintenance of the equipment. Active trouble shooting regarding production equipment. Implementation of ISO procedure, construction of mechanical parts, preparing technical drawings in AutoCAD, preparing technology for processing mechanical parts with cutting method with Mazatrol and Mastercam programs. |
|  |
| **Kerol - Orhideja DOOEL – Skopje ● September, 2003 – July, 2004** |
| **Mechanical engineer - Production Manager** |
| Management and organization of production process. Organizing, planning, control and supervision of production. Preparing production business plan and adequate strategies for its fulfilment, administrative duties and other organizational issues. Preparing consumption budget and implementing it. Organizing and monitoring maintenance of the equipment. Active trouble shooting regarding production equipment. |
|  |
| **Cosmopolit Computers – Skopje ● October, 1999 – June, 2002** |
| **System Engineer** |
| Sale, installation, service and maintenance of computers and computers equipment. |

**Education**

1993-2002 University St. Cyril and Methodius – Faculty of Mechanical Engineering Skopje

Bachelor of Science Degree in Mechanical Engineering (VII/1)

1989-1993 Secondary School “Rade Jovcevski – Korcagin” Skopje

Degree: Computer Technician

**Language Knowledge**

|  |  |  |  |
| --- | --- | --- | --- |
| **Language:** | Reading | Communication | Writing |
| Macedonian (mother) | Excellent | Excellent | Excellent |
| English | Excellent | Excellent | Excellent |
| French | Excellent | Very Good | Good |
| Serbian | Excellent | Excellent | Excellent |
| Croatian | Excellent | Excellent | Excellent |
| Bulgarian | Excellent | Very Good | Very Good |

**Licences, Certificates & Trainings**

Intensive Prep. Course for Certified Project Manager - October 2015 - Darko Dimitrov PMP - Semos Education

Certificate for Hazard Identification and Risk Assessment (HIRA) – International Risk Control Academy – NQF Credits 2 & NQF Level 3 – Certificate № 0459/2008

Certificate for Accredited CAP Auditing Techniques – International Risk Control Academy – NQF Credits 5 & NQF Level 5 – Certificate № 0164/2008

Certificate for Internal Auditor for ISO 14001:2004 - Eurocert - Certificate № IA/31/08

Supervision licence A and B issued by Macedonian chamber of Engineers

Review licence A and B issued by Macedonian chamber of Engineers

Construction licence A and B issued by Macedonian chamber of Engineers

Valid driver’s licence ­“B” (International, Macedonian, Tanzanian)

ISO 9001-2000 Quality Management System – Training - September ÷ October 2006

TPM (Total Production Management) – Training - 18 ÷ 19 September 2007 - Mr. Ashim Chakraborty (Arcelor Mittal Poland)

5S Concept – Training – 18 ÷ 19 September 2007 - Mr. Ashim Chakraborty (Arcelor Mittal Poland)

Safety Training – 4 ÷ 5 December 2007 – David Andre (AAMS)

**Technical Skills**

Standards: ASME, ANSI, AWS, NFPA, OSHA, ISO, DIN, CE, BS, and others

**Computers Skills**

|  |  |
| --- | --- |
| **Program** | Knowledge |
| Microsoft Office | Excellent |
| AutoCAD (Mechanical Desktop, Mechanical Power Pack) | Excellent |
| Mastercam | Excellent |
| SolidWorks | Excellent |
| Catia | Very Good |
| Proengineer | Very Good |
| Adobe Photoshop | Very Good |
| CorelDRAW | Very Good |
| Visual Basic | Very Good |