Vishnu Singh   **+91 43216767970**
Sector 45, Gurgaon, Haryana
vishu@indiatimes.com

Experience:

Control System Engineer

March, 2006-Working: IHC Engineering Business Ltd, UK- Expansion of IHC Merwerde. Specialist in designing and building Subsea and Deck Handling equipments, based at Riding Mill in North East with a staff of 105 Engineers.

Projects Undertaken:

i-Trencher: 2008 – Subsea Pipe Lay Trencher for Canyon Offshore. System handles intensive subsea modbus network, deck Ethernet network and three different Supervisory control locations on the deck, based on Client server architecture.

- SCADA, Graphics and Network Configuration on Citect Scada 7.0
- Video Monitoring System Design and Configuration
- Commissioning and Installation -UK

Carousel: 2008 – 7000Te Flexible Pipe/Cable Lay Carousel for Oceanteam Power and Umbilical. Profibus network on the deck with more than 15 remote stations and 6 drives on torque control with Master/Slave Configuration and One Supervisor Control Location.

- Control System Specification and Design Documentation
- SCADA, Graphics and Network Configuration on Citect Scada 6.0
- Siemens Step 7 PLC Platform - Ladder Design
- Control Techniques Drive Programming-CtSoft and SyptPro
- Deck CCTV System Design
- Commissioning and Installation Offshore-UK

Sea-Stallian-2: 2007 – Refurbishment of Cable Lay Plough for Tyco Submarine on Tyco Durable Cable Lay Ship.

- Control System Design Review
- SCADA, Graphics and Network Configuration on Rockwell RSView32
- Allen-Bradley SLC500/RSLogix500 PLC Platform - Ladder Design
- Allen Bradley Impact Drive Programming
- Deck CCTV System Design
- Commissioning and Installation Offshore-Taiwan

Audacia: 2007 – Subsea Pipelay System for Allseas on Audacia Pipe Lay Ship. Deck Spread has more than thirty remote stations, twenty drives, 39 motors and two control locations on Profibus architecture.

- Control System Design Review
- SCADA, Graphics and Network Configuration on Citect Scada 6.0
- Siemens Step 7 PLC Platform - Ladder Design
- Vacon Drive Programming
- Commissioning and Installation Offshore-The Netherlands

Carousel: 2006 – 3000Te Subsea Cable Lay Carousel for Subsea 7

- Control System Specification and Design Documentation
- SCADA, Graphics and Network Configuration on Citect Scada 6.0
- Siemens Step 7 PLC Platform - Ladder Design
- Deck CCTV System Design
- Commissioning and Installation Offshore-UK

BOWTIS: 2006 – Soft Landing Installation System for 5MW Windmill Turbine in North Sea for Talisman Energy UK.

- Control System Specification and Design Documentation
- SCADA, Graphics on GE Fanuc HMI on Cimplicity Machine
- Siemens Step 7 PLC Platform - Ladder Design
- Commissioning and Installation Offshore-UK

Maintenance Engineer

May2002-July2004: Axes Metrology, Indore, India, Manufacturer of 3D Co-ordinate Measuring machine with a staff of ten technicians and two engineers.

- Commissioning, Servicing and Maintenance of 3D Co-Ordinate Measuring Machine (CMM)

Education

Master of Science
2004–2005, Automation and Control Systems, Newcastle University, Newcastle upon Tyne, UK, Detailed study of Control System, Power Electronics, Electric Drives, Basic Automation and Robotics Design Principles.

Bachelor of Engineering

1998–2002, Electronics and Instrumentation, Devi Ahilya University, Indore, India, Study of Basic Electrical and Electronics, General Applied Computing and Mechanics, Principles of Sensors and Transducers.

Training/Member:

- Associate Member IET

- Offshore Training Certificate at Falc Nutec, Billingham, UK

- Citect Scada Training at Citect, Birmingham, UK

- Control Technique's UnidriveSP at Control Technique, Newtown, UK.

Key Responsibilities:

- Capture/review customer requirements

- Produce Functional Design Specification (FDS) and review with customer

- Produce hardware design and specification of equipment from standard components

- Produce I/O schedules and Data Dictionary

- Design Human Machine Interface (HMI), SCADA

- Configure system architecture to meet customer requirements

- Configure projects software and program PLCs with specific applications to meet project requirements

- Delivery, Installation, Commissioning, Fault Finding, Onsite and Offsite Support

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Keywords:

Siemens Step7, Simatic Net, Citect Scada, Proface HMI, GE Fanuc HMI, Vacon drives, Allen Bradley PLC, Rockwell Automation, Control Techniques, Wago Remote I/O, Profibus, Modbus, CTNet, Ethernet, Subsea Equipments, Networking, Visual Display Management