JOB DESCRIPTION VERTIV EMEA

JOB TITLE: Application Management Systems Engineer	DATE:22/11/2017
REPORTS TO: Pedro Robledo	FUNCTION: EMEA Management System Engineering Manager

JOB SUMMARY

The Vertiv Service business is designed to provide full life-cycle service support for our customers and as such is a core part of the Vertiv market offering. Management Systems, within the Service package is a key component of Vertiv portfolio, that will be primarily composed by:

- On premises and Cloud monitoring solutions.
- On premises HW to collect and send the information to the remote monitoring platforms
- Remote Services

For the ongoing success of the service business it is essential to have the capabilities to develop at EMEA level some requirements to fulfill the specs of our customers in terms of SW adaptation for system controllers and standalone solutions.

In general, this position will design the real time application in monitoring solutions that Vertiv can offer to its customers using the control units and supervision modules in the Vertiv portfolio. Usually the person will answer requirement specifications from the customer in different market units in EMEA, provide technical support related to monitoring solutions and as well will define general configurations for typical applications, whenever it will be needed, based on requirements.

ESSENTIAL JOB FUNCTIONS

1. *Software:*

- Software configuration/development. Software configuration/development includes:
    - New controllers, system.
        - Software configuration through XML files
        - New equipment\protocols integration
        - Output data definition – in any protocol format
        - Control functions (PLC)
        - Define and implement added-value software modules (like control functions)
    - Legacy controllers:
        - Software configuration
        - New equipment integration using Modbus/SNMP protocol
        - Output data definition according to the EEM protocol definition or any other protocol used by Vertiv

- Software configuration/development for real time standalone monitoring controllers includes: software configuration (data definition, alarm definition, output data definition

according to protocol definition or PLC control function integration), new equipment integration, new serial protocols integration, define and implement added-value software modules (like complex control functions)
- Define specification for Firmware modification for product development team.
- Definition of new requirements for the control unit and supervision modules.
- Contact with software responsible in HQ to define the configuration files for the software in the controllers, for the DC systems applications.

2. *Implementation*

- Installation and commission the solution in case of very complex solution.
- Support to professional services team on configuration of the equipment or to modify the existing solution based on field requirements.
- Software solution testing
- Hardware solution testing
- Third level support Management systems After-Sales once the installation has been commissioned.

3. *Documentation responsibilities:*

- Software documentation.
- Project documentation includes CAD or Visio drawings.
- Hardware documentation: New hardware documentation.
- As build documentation.

4. *Additional responsibilities:*
- Training field engineers in EMEA countries or Vertiv partners and technicians from customers.
- Definition of portfolio of materials, transducers and other devices that are needed to be able to cover any possible requirement specification.

JOB QUALIFICATIONS

School Background: Technical Engineer/Engineer degree in Electronic / Electrical Engineering / Computer science / others.

Basic skills:

- Fluent in English and Spanish, Additional language is a plus (French, German, Portuguese).
- Basic knowledge on telecom infrastructure is a plus (UPS, Generators, DC Systems, and Cooling).

Technical / Functional skills:

- Strong knowledge of electrical engineering concepts.
- Knowledge in measurement devices: sensors and transducers in special.
- Good knowledge on SW programming: linux, C or C++, HTML, JavaScript and Java.
- Knowledge in data transmission and industrial protocols is a plus.
- Relational databases: SQL (Oracle 12c a plus).

- Object oriented programming.
- Good Visio or Autocad knowledge
- Ability to combine different technical areas of expertise (electrical engineering with software)
- Ability to learn new engineering concept and new technologies.
- Basic MS Office knowledge.

Attitudes

- Availability to travel, 20% .
- Independent learner. Problem solving
- Ability to work individually or within an international team environment.
- Ability to work under certain level of pressure in some parts of the process.
- Good interpersonal and presentation skills.