

BIDDING REFERENCE	064/ITT/GCC/2025
NAME OF THE SERVICE	Replacement of Communication & Interface System
CONTEXT	
Sonangol Exploração e Produção, S.A, as operator in Block 3/05, intends to hire a company for Communication and Interface System Replacement Services; (Servers).	
SCOPE OF WORK	
<p>Actual control philosophy is based on 2 servers used to run with software ASPENTECH IP21 in windows server 2003. AspenTech IP21 is a real-time data historian software that collects, stores, and analyzes vast amounts of time-series data from industrial processes, offering tools for real-time monitoring, analysis, and reporting.</p> <p>Servers are communicating with Operator workstations through 2 SUPERVISION network. Also, servers communicate with THIRD PARTY Packages and PLC VIA Instrumentation network. Redundancy is not ensured, due to hardware crash/freeze issue, RAM, Overheating...etc</p> <p>System Backup restore has become frequently with high risk of failure since it takes times impacting the Hardware. Application GCS33 used for graphic designer for the operator workstation.</p>	
CONTRACT DURATION	WORK SITE
3 Years Fixed	Offshore Block 3/05 (COBP1)
DESCRIPTION OF SERVICES	
<ul style="list-style-type: none"> - The Vendor shall accept full responsibility for the sufficiency of all hardware, software, application configuration and integration of the system components. - The Vendor proposal shall include all hardware required to interface the process with the future System application. The process interface shall be supplied with the necessary termination, safety features, interconnecting cables, signal conditioning units - The system shall include as minimum the following main components: - Operator Stations configured in redundant form, with equal access capabilities to any point in the system. - Dual redundant bulk memory devices (including hard disk controllers and all associated electronics). Each bulk memory shall have dual access to both networks of the real-time LAN. In the case where an operator station can duplicate the other operator station, then two such independent stations can be considered as redundant. - Dedicated Engineering workstation, with laser printer shall be available. Printers, color copiers, and auxiliary storage peripherals. - Serial (line) printers for alarm and event registration shall be available. Dual-redundant control network. All necessary hardware such as modules, signal conditioning hardware, mounting accessories, and etc. 	

<ul style="list-style-type: none"> - Necessary software package for complete system generation, including all control functions, operation functions, graphics reporting etc. - Engineering, design and system programming shall be included in the Vendor scope of supply and include: <ol style="list-style-type: none"> 1. Graphics and human-machine interface displays and functions. 2. Complete configuration of all control functions. 3. Report configuration for on demand, scheduled, hourly, shift, daily and monthly reports. 4. System engineering documentation.
PROGRAM
<p>Installation of Cabinets and Field Cabling;</p> <ul style="list-style-type: none"> - Installation of Servers; - Programming and configuration of all applications (Software); - Commissioning and Startup of the Servers;
OTHER REQUIREMENTS
<p>Provision of training, maintenance and other equipment related to the system to be installed.</p>