

Doc Ricketts Upgrade

ROM Proposal



Price Guide Scope of Supply for: Tilman Solutions/MBARI
Case Ref: SMD108144
SMD Original Job Ref: C0903
Dated: 06 August 2021
Currency and Delivery: ROM Prices are in GBP, FCA (Incoterms 2020), SMD, Newcastle, England.

Rev	Date	Description of Change	Author	Approved
0	06 August 2021	Bid issued	PH	LC/LF

Section 1: Scope of Supply

Purpose

As per email and associated attachment sent by I Griffiths on the 26 July 2021 @17:01, this proposal details the ROM costs to the Doc Ricketts SMD telemetry system. This will propose a new PLC system, so as well as removing obsolescence this will also have improved features in comparison to a QNX system. For more information on the PLC system, please refer to the attached presentation.

Control System Upgrade £300,000.00

Converting control system to PLC with SCADA system for displays. Scope includes:
Software upgrades, which includes porting the functionality from the QNX system with additional functionality.
Driver for RS485 lamps and the option to use existing.
Hardware required for converting.
Associated drawings.
This is based on utilising the existing components:
Pod.
Valve Tank.
Servo manifold.

Includes FAT and commissioning of system at SMD
Please note this is for the supply of parts and engineering only. Onsite installation is not included.

Option: Replacement PCB's For VT and Skid £10,000.00

New PCB to replace obsolescence
Drawings update for new PCB's

Option: Replacement PCB's For Thruster £5,000.00

New PCB to replace obsolescence
Drawings update for new PCB's

Option: Replacement PCB's For Lamp Dimmer £3,500.00

New PCB to replace obsolescence
Drawings update for new PCB's
Please note software driver for RS485 lamp control is included in control system costing.

Option: LIM Replacement £12,000.00

The line insulation monitoring units that are employed in the current system have gone obsolete, as a result propose the following upgrade as an option.

- Replace enclosure door to allow new units to be fitted
- Two off new style LIM units
- All drawings updated



Terms and Conditions

- i. N/A ROM COST TEMPLATE ONLY