**Application**

The Remote Monitoring and Control System (RMCS) is designed to monitor and control Impressed Current Cathodic Protection System Remotely. RMCS helps you to accomplish complete control of the Cathodic Protection operation in a plant, in desert or in deep sea. Features RMCS consists of it's own power supply units, software, communication and hardware for control monitoring & data logging. The site based equipment has local data logging facility which works on the embedded software and instructs the logic for monitoring and/or control. Power supply unit and the rest of the hardwares are placed in an instrument box or in a cabinet. The inbuilt hardware controls power supply output, communicate with remote PC in control room through RS-485 / FOC network and to Local HMI through RS-232 port. The software in Remote Computer communicates with RTU for Control, Monitoring and Data logging. It provides access to all functions of the RTU and a user-friendly interface with graphics. Major Monitoring and Controls available with RMCS are

1. Constant Current / Constant Voltage mode.
2. Auto reference mode.
4. Alarm setting for all references.
5. Interruption cycle programming.
6. Depolarization cycle programming.
7. Data logging interval & time setting.
8. Running value display of Voltage, Current and all connected references.
9. On line display of Native potential, present potential and shift from native.
10. Interruption/ Depolarization cycle report generation.
11. Graphical reports generation.
12. Viewing of alarm history.

**Strengths**

- Local site based equipment has facility to hold data of 3 months with 3 interruption or Depole cycle and when connected with PC, data can be stored for 15-20 years.
- RMCS can be interfaced as a subsystem with any DCS or SCADA systems via MODBUS (RTU) protocol. Wherever distance is a constraint, the MODBUS communication link shall be extended via fiber Optic Link.
- The units offered by us have high flexibility and can also be tailored with less effort to operate through the existing DCS of any make.
- BSS Tech has the capacity to manufacture units from low rated power output to highest as 100V/1000A with complete Remote Monitoring and Control.
- With the in-house hardware and software capabilities, BSS Tech can provide you custom made power supplies with Remote Control or only Remote Monitoring.