

# Largest Coal Bed Methane Producer of India

## Client Profile

The Client is the largest Coal Bed Methane producer in India. With close to 154 commissioned wells under their operations the client today produces over 400000 SCM per day. Located in Ranigunj CBM Block in Eastern part of India, their pipeline extends over 75 KM and reaches out to key industrial clients located in Asansol-Durgapur belt. With two fully automated Gas Gathering Stations the client has an expansion plan of drilling another 144 wells.

## Problem Statement

Typical to the CBM industry worldwide the client was faced with a challenge of monitoring and control their remote well sites as well as custody transfer skill located across their pipeline. They also wanted to implement a system of monitoring their entire Gas to Cash Cycle including complete automation of their Gas gathering Stations.

Coupled with the challenge of monitoring and control of their remote well sites and customer skids, the management team of the client desired to have the complete visibility of the operations, production and custody transfer data from their head office and also “on the go” and thus creating a need for implementing a control infrastructure that can be seamlessly integrated with their enterprise network.

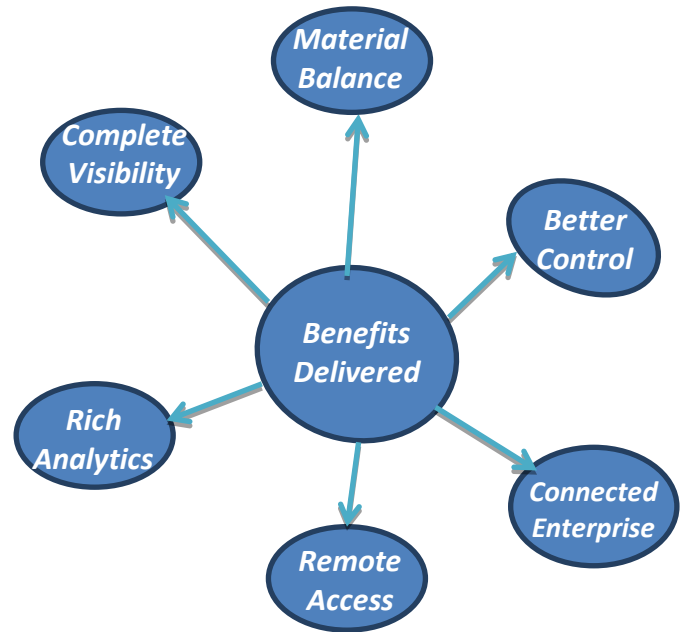


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## Solution Landscape

Greenwave implemented a solution framework at the GGS based on Rockwell’s Redundant ControlLogix Platform, FactoryTalk SCADA and Greenwave’s Green360 Reporting application. Well sites were connected over point to multi-point radio with each site on PowerFlex VFD integrated with a MicroLogix RTU. The custody transfer skids were integrated on a GPRS network extending the control and visibility of the Electronic Volume Correctors (EVCs) connected with MicroLogix RTUs

### Technology Snapshot

- Well Head Automation with
  - Rockwell Power Flex 755 VFD with RTU
  - Point to Multi Point Radio
- GGS Automation
  - Rockwell ControlLogix System
- Custody Transfer
  - Rockwell MicroLogix 1400
  - Fargo GPRS Modem
- Compressor Automation
- Rockwell FT View SCADA and FT View Point Web SCADA