

### Customer Profile

3M is a diversified technology company with a worldwide presence in the following markets: consumer and office; display and graphics; electro and communications; health care; industrial and transportation; and safety, security and protection services. What makes us so diverse is our ability to apply our technologies – often in combination – to an endless array of customer needs.

### Contact Details

Contact Name/Tel./ Email will be available on request.

### Project Statement

Rolta is executing creation of 1,400 P&IDs into Intelligent P&ID using Intergraph's Smart Plant P&ID version 4.3 Inputs P&ID are in AutoCAD, Paper and Plant schema format.

### Project

The project encompassed study of existing P & ID drawing in accordance with PIP standard of the 3M Cordora Plant, digitization of the P&IDs to Intelligent and other related documents (in paper format ) into electronic format .

Rolta has developed a web portal with the help of an **e-solution team** for keeping track of all project issues and delivery of the ongoing project. The Portal shall help the teams all across Rolta India Limited, Rota US office and 3M for better coordinating & smooth execution of the project.

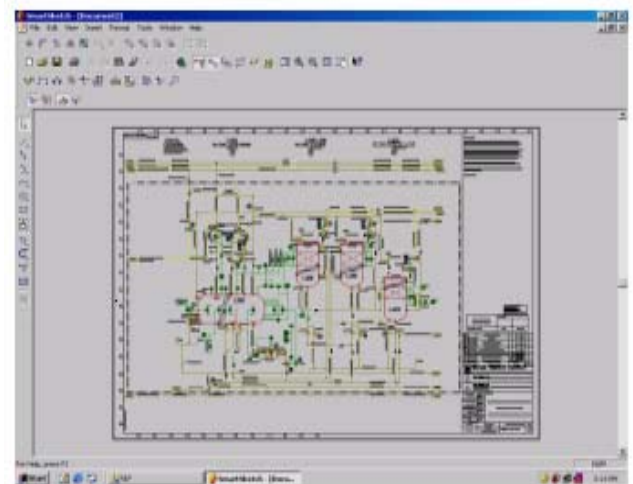
The **scope of work** for the project consist of the following :-

- Input data collection, study and creation of 1,400 intelligent Smart Plant PIDs, V 4.3.
- Attachment of documents viz. datasheets, performance curves, fabrication drawings, manuals etc.

### Benefits to 3M:

- Facility of Legacy data attachment to P&ID object enhances intelligence resulting in easy plant maintenance
- Reduced plant downtime due to fast availability of information
- Increased safety due to timely and quick corrective action

- Basis for Regulatory Compliance by storing and attaching data and accessing it
- Shortened plant maintenance schedules due to reduced rework. Reduced effort to verify document consistency
- Schematic based Index to Electronic Files, Models, and Databases allows re-use of design and engineering data through out the life-cycle making information available online



The **Deliverables** were:

- SPP&ID dataset of 1,400 P&IDs
- Oracle Database populated for each 3M Plant