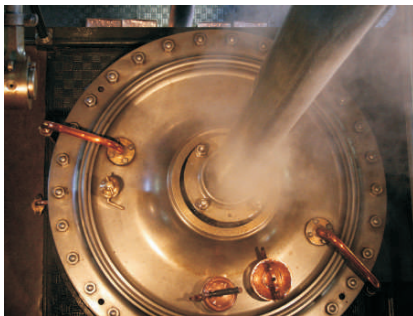


## Case Study

# Aiding efficient assembly through visual aids



### Customer

One of the world's largest manufacturers of construction and mining equipment.

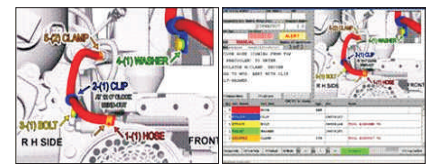
### Business Challenge

- Eliminate cost overruns arising because of rejections, non-optimal resource usage and repetitive tasks
- Get the product first time correct through improved product quality and improved communication on shop floor
- Cycle time reduction in change implementation process to enable faster time-to-market

### Mahindra Satyam's Solution

- Creating visual aids for assembly operations
- Establishing visual communication on the shop floor
- Integrating communication with visual aids and assembly instruction

### Input



### Output



### Tools used

- Vis Mock-up
- Drawings

### Key differentiators

- Quick and accurate translation of engineering changes to manufacturing instructions
- Improved work-order accuracy
- Enhanced manufacturing schedule and production plan performance

Aided in improvement of end product process quality by 15% through appropriate visual aids.

## Case Study

### Benefits

- Integrated Change Management process – accurate assembly process, error reduction, cost reduction
- Reduction in time spent on reading and understanding of the assembly instruction – improved productivity
- Improved flexibility on manufacturing floor as visual aids help reduce training time
- \$1.2 Million savings through virtual process validations within 4 months

At **Mahindra Satyam BPO's Manufacturing practice**, we offer a wide spectrum of process outsourcing services to manufacturing companies across the world. Our experience and capabilities enable us to identify, create and deliver more value on your investment. Our dedicated manufacturing teams understand the nuances of the industry and help deliver value throughout the engagement. The four primary supporting areas where we offer services are Production Engineering, Industrial Engineering, Quality Engineering, and Engineering Analysis. Our service offerings include Procure to Pay, Production & Industrial Engineering, Global Enterprise Technical Support, Customer Management and Data/Document Processing Services.

For further information please write to [Connect@mahindrasatyambpo.com](mailto:Connect@mahindrasatyambpo.com) and [rfi@mahindrasatyam.net](mailto:rfi@mahindrasatyam.net).