

Case Study



Wipro's integrated system saves \$80,000 for an Energy giant's refinery by preventing failures and reducing downtime

Our client is one of the World's leading Energy giant with presence in over 100+ countries and having 1,00,000+ employees.

## Project description:

Develop and implement LubeAnalyst, an integrated system to cater to the end-to-end Oil Condition Monitoring Service enabling easy and quick access to samples. It helps customers understand the condition of its machines and equipments, and take preventive action.

## Business Challenges

- ▶ Lack of reliability of the legacy systems
- ▶ Inflexibility to accommodate new requirements
- ▶ High costs to keep it up and running.
- ▶ Too many disparate systems and overlapping functionality
- ▶ No single global system to cater to end-to-end "Used Oil Analysis" service
- ▶ Inconsistent lube survey process at different operating units
- ▶ Requiring manual intervention in diagnosing test results

## Wipro Solution

- ▶ Implemented a centralized global database for data storage that eliminated data redundancy – implemented using SQL Server.
- ▶ User-friendly screens with multi-lingual features that enhance the usability of the application.
- ▶ The system is developed based on the .Net framework, compliant with the customer standards.
- ▶ A scalable distributed application architecture for load balancing, improving performance and throughput of the system.

## Business Results

- ▶ Caters to both Marine and Global Lubricants business, thus streamlining the common process within these two divisions
- ▶ Greater equipment reliability and reduced downtime expected through early diagnosis of potential faults
- ▶ Quick and timely results
- ▶ Lower machine repair costs
- ▶ High standards of safety
- ▶ Precise monitoring of operating efficiency
- ▶ Reduces downtime and lost production
- ▶ Enables spot potential problems at an early stage

## Benefits

- ▶ Saves an impressive \$600,778 on lost product in a steel plant in India
- ▶ Saves Anglo American mining \$1.6 million in reduced maintenance costs and downtime in South Africa
- ▶ Saves \$134,894 in reduced maintenance and downtime at a large paper mill in Czech Republic
- ▶ Saves \$80,000 in its own refinery by preventing failures and reducing downtime

## About Wipro

Wipro Technologies is a division of Wipro Ltd (NYSE: WIT), a \$5bn enterprise that employs over 90,000 employees across the globe. With experts based in Western Europe, North America, India, Asia Pacific and the Middle East, our integrated Consulting, IT, BPO and Product Engineering services combine the benefits of expert proximity with global leverage to provide the technology edge and speed to your strategic programs.