



ramco

CASE STUDY

## A DECADE OF POWERFUL PARTNERSHIP: THE STORY OF PPGC AND RAMCO

Name - PPN Power Generating Company Pvt. Ltd.  
Headquarters - Chennai, Tamil Nadu, India  
Industry - Power Generation  
Website - [www.ppnpower.com](http://www.ppnpower.com)

## POWER GENERATION COMPANY POWERED BY RAMCO'S ERP FOR MORE THAN A DECADE

Being the leader is by no means an easy task. Ask PPN Power Generating Company Pvt. Ltd. (PPGC), the largest independent power producer in Tamil Nadu. The undisputed leader in an industry that is slated for rapid growth and reformation for the next couple of decades, PPGC has witnessed its share of upheavals. And yet, what has helped it make a mark is its unswerving commitment to investing in top-end technology. The company, headquartered in Chennai, owns and operates a 330.5 MW gas cum naphtha fired, combined cycle power plant project that reached Commercial Operations Date (COD) in April 2001.

Two years later, the Electricity Act 2003 passed by the Government changed the whole situation of the power industry in India. Encouraging privatization of the sector, the act allowed de-licensing of power generation, open access to power transmission networks and sanctioning of multiple distribution agents in the same area. This meant competitive pricing and the need to stay ahead of the pack through constant learning, innovation and refinement of business operations.

How did the company handle the situation? For one, it decided to become completely IT-enabled. Going a step further, it decided to adopt an ERP solution as early as 1999, at a time when liberalization of the Power sector was still uncertain. Read on to know more.

## TECHNOLOGY ENABLES PPGC'S GROWTH

PPN Power Generating Company Pvt. Ltd., was promoted by the Apollo Hospitals Group, along with Marubeni Corporation (Japan). Currently, Apollo Infrastructure Projects Finance Company Private Limited owns 64.3% of the company's share holding. The company has power plants at Pillaiperumalnallur Village and Manickapangu Village, Nagapattinam District, Tamil Nadu.

Technology has been a key enabler for the company's growth, given the scale of operations and the capital intensive nature of the industry. PPGC identified its needs early on and began evaluating several ERP solution

vendors. They wanted a solution that would help them deal with frequent breakdowns of critical assets; they also wanted to avoid paying high maintenance costs for capital-intensive assets. The answer lay in using technology that could enable effective control over costs and operational efficiencies, leading to the increased life of assets.

"In today's scenario, the need is to be operationally efficient, but not compromise on cost-effectiveness. The best way to handle it is by implementing an ERP," say sources from the company. "Since our plant works in a remote location, an ERP solution became necessary for smooth operation and efficient tracking and movement of materials, and for correlating purchase orders with the delivery and to ensure visibility on the same at head office."

The requirement was to combine all the departments on a single platform, especially finance and operations. These were previously handled by independent systems, which meant the lack of automated and co-ordinated reports. PPGC's personnel faced the cumbersome task of manually exchanging and retrieving information from the system, which affected their productivity. Further, the reliability of information obtained had to be manually monitored to avoid duplication of data from different departments that were operating on different sources for different sets of information.

## RAMCO'S INTEGRATED SOLUTION FOR THE POWER INDUSTRY

The company found its panacea in Ramco's integrated solution for the power industry. In fact, Ramco and PPGC realized the solution together. "Ramco had the requisite IT knowledge and expertise, while PPGC had a working knowledge of the power sector and its unique challenges," says a company source. "The fact that we chose Ramco way back in 1999 demonstrates the pioneering effort of Ramco when the private power generation in the country was at its nascent stage. The solution integrated financial accounting and operations under one package. The highlight however was the solution's ability to view the operational parameters of our plant at our corporate desk in real-time by integrating Ramco's ERP with the DCS control system."

Having used the solution for over a decade, the following are some of the benefits that PPGC has attained:

- Real-time visibility of Key Performance Indices (KPIs) and effective control over O&M costs.
- Efficient maintenance planning of assets with operations data leading to high Plant Availability Factor, Plant Load Factor, lower aux power consumption etc.
- Better operational intelligence for maintenance of capital intensive assets – high Return on Assets (ROA).
- Effective financial planning and budgeting—lower Cost of Capital (COC).
- Improved productivity of employees – higher learning curve.
- Technology-driven solutions at optimal costs – lower TCO.
- On-time surveillance of assets, ensuring compliance with regulatory needs.

## PLANS FOR THE FUTURE

Thanks to its foresight in choosing the right solution a long while ago, PPGC's future expansion plans can be

handled simply by scaling up. Overall, Ramco's solution met the company's requirements at an optimal cost and was implemented in just a year's time. Company sources say, "Ramco's service, implementation and support go beyond the terms of the agreement-in-writing. The approach has been as though we are partners in business. The Ramco product has evolved over the last decade and Ramco's continued support ensures zero down-time and stability to our operations in the long run."

Today, PPGC's experience with Ramco has spread over a decade and the companies continue to cherish their valued relationship with each other. Truly, Ramco and PPGC's tryst has been a control room to board room story!

## CAN RAMCO DO IT FOR YOU?

Of course it can! To find out more on how RAMCO can be stretched (or shrunk) to answer your need, call **1800 425 6667**.



## QUICK FACTS

### CHALLENGES & OPPORTUNITIES

- Finance and Operations functioning as silos
- Difficulties in handling different types of claims
- No real-time visibility of operational performance
- Planning on maintenance of the fixed assets
- Commitment to regulatory compliance and monitoring of schedules

### OBJECTIVES

- Integrating departmental processes for effective management of business functions
- Ensuring 100% commitment to regulatory compliance needs
- Better know-how of operations performance on daily basis
- Interfacing through familiar and user-friendly screens in new solutions

### BENEFITS

- Real-time visibility of Key Performance Indices (KPIs) and effective control over O&M costs
- Efficient maintenance planning of assets ensured higher plant reliability and availability
  - Better operational intelligence for maintenance of capital intensive assets
  - Effective financial planning and budgeting
- Technology-driven solutions at optimal costs to lower TCO
  - On-time surveillance for regulatory compliance

### EXISTING ENVIRONMENT

Tally

### WHY RAMCO ENTERPRISE SERIES

- Robust, flexible, proactive and automated solution, meeting several requirements at optimal cost
- Integrated view from control room to board room
  - Availability of operational intelligence for effective planning of maintenance activities
- Solutions providing better control over operations and maintenance costs

### IMPLEMENTATION HIGHLIGHTS

- Automated power plant performance calculations through real-time integration with operations systems and enabled cost accounting at every stage Enabled effective planning of maintenance activities with real-time availability of condition monitoring data
  - Deployed an early warning/alert system to manage regulatory compliances across the process divisions
  - Delivered an end-to-end solution to handle provision to claims
    - Automated financial/statutory reporting, reducing human intervention

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