

## Case Study

---

### Torrent Power Power-packing the power maker



## Case Study

### Customer Background

Torrent Power, a leading Indian private sector utility company, is involved in generation, transmission and distribution of electricity. Key highlights of Torrent include

#### Generation

- Generation capacity of over 1647.5 MW split as follows
  - 400 MW coal based thermal power station at Sabarmati
  - 100 MW dual fuel based combined cycle power plant at Vatya
  - 1147.5 MW SUGEN CCGT near Surat in Gujarat under implementation
- Torrent's assets have consistently reported high PLF and PAF over the years

#### Transmission & Distribution

- Transmits and distributes over 10 billion units of power annually to more than 1.9 million customers of Ahmedabad, Gandhinagar and Surat, spanning an area of 408 Sq. Km.
- Consistent reduction in T&D losses over the years
- Last year, Torrent reported a T&D loss of just 7.51% in Ahmedabad, Gandhinagar and Surat

In addition to this, Torrent has successfully integrated its Distribution Franchise operation at Bhiwandi and is looking forward to doing the same for new acquired business at Kanpur and Agra. The company can be said to be a pioneer in managing its assets and spectacular return on assets.

### Need for a Solution

Torrent Power needed an integrated solution to take their business to a higher plane of operational efficiency. Some of the key needs were

- Being an asset intensive company, equipment uptime was of prime importance
- Streamline the procurement function which accounts for spending close to Rs. 450 crores (USD 100 million)
- Replace the 7 standalone systems used for inventory control by an integrated solution
- Manage the complex HR requirements which covered over 4600 employees working under varied rules and regulations in a traditional hierarchical set-up
- Integration of all functions for greater transparency and informed decision making



### Benefits

- Better asset information availability leading to faster and improved decision-making
- Better availability of equipment through preventive and predictive maintenance
- Streamlining of procurement for spare parts, consumables, fuel (coal, liquid fuel & gas) as well as services (over 1000 different services)
- Better inventory management of over 30000 items stocked across more than a dozen warehouses leading to lower inventory costs
- Effortlessly handles over 2000 transactions per day
- Easily manages Payroll covering multiple working hours, pay elements, account codes and shifts

## Case Study

### Ramco Solution

Ramco EAM implemented at Torrent Power Limited is a web-architected solution developed on Ramco VirtualWorks™. The scope of implementation is as follows:

- Asset Management to take care of more than 50,000 codified assets
- Maintenance Management and Asset Life Cycle Management for diverse sets of assets plant and machinery, infrastructure, buildings, meters and workshops
- Purchasing for the entire company - generation, transmission and distribution
- Inventory for the entire company generation, transmission and distribution
- Financials (Book Keeping, Payables Management, Fixed Assets and MAC for generation)
- Human Resources and Payroll for all employees
- Integration to existing 3<sup>rd</sup> party applications like Job Costing System



### Customer speaks

“The system takes care of a large base of assets from a widely distributed business operations of Torrent Power. The biggest advantage has been the truly web-based architecture of the system.”

**Mr. H H Mehta,**  
**Asst. General Manager (IT),**  
**Torrent Power**

### Why Ramco

Ramco EAM is a comprehensive Asset Management solution that addresses all the key needs of Torrent Power. Because of its distributed nature of business operations, they needed a web-architected solution with proven credentials. The solution was chosen based on its high fitment and future proof technology. Ramco Systems has many prior successful implementations and good customer referrals in the Power sector

### About Ramco

Ramco is a global provider of business consulting, enterprise solutions and outsourcing services that enhance business value through better business processes and agile global-class applications. Ramco Systems has offices in nine countries and over 450 customers in 1,000 locations worldwide. The company provides solutions to multiple verticals including banking, insurance, manufacturing, supply chain, aviation, transportation and logistics, healthcare, governance, retail and more. Ramco Systems has been certified for ISO 9001:2000 quality standards and assessed for SEI CMMi - SW Level 5. The company is part of the USD 800 million Ramco Group and is publicly held.

Ramco Systems | 64, Sardar Patel Road, Taramani | Chennai 600 113 | Tel: +91 44 2235 4510 | Email: [info@rsi.ramco.com](mailto:info@rsi.ramco.com) | [www.ramco.com](http://www.ramco.com)