



CEMENTING A FUTURE-PROOF INFRASTRUCTURE WITH VIRTUALIZATION

BHARATHI CEMENT CORPORATION PVT.LTD

INDUSTRY CONSTRUCTION MATERIAL | HEADQUARTERS HYDERABAD, TELANGANA

“We chose VMware’s vSAN to support our SAP-enabled IT infrastructure. Now our set-up runs smoothly, making it easier to manage the daily business needs in our production environment. It has also helped us streamline the provisioning of our resources and make it faster.”

Murali Krishna,
Chief GM – IT,
Bharathi Cement Corporation Pvt. Ltd.

Customer Profile

The pioneering leader in modern cement industry, Vicat Group brought in India the expertise embraced in its legacy of 200 years with its flagship brand, Bharathi Cements. The Group operates two manufacturing firms under the single brand ‘Bharathi Cement’ to reinforce the brand’s performance and identity. Since its foundation, the brand has established a strong presence across seven states in India operating along three verticals - Cement, Aggregates and Polymers. With 186 warehouses and two high-end manufacturing units in Kadappa and Kalaburagi, Bharathi Cement is enabled with an impressive combined production capacity of 7.75 MTPA. Its dynamic capabilities also include a strong network of more than three thousand dealers and partners across India that has been successful in extending the brand’s reach to every corner of the country.

The Challenge

Operating one of India’s most advanced production lines for high quality cement, Bharathi Cement wanted to do tech refresh of their datacenter including adoption of SAP. Also, the existing infrastructure was more than 6 years old. With the recent adoption of SAP, Bharathi Cement’s IT infrastructure needed an overhaul of traditional storage by embracing a futuristic technology which can be upgraded anytime non-disruptively.

Bharathi Cement decided to move away from hardware-intensive solutions and adopt a hyper-converged datacenter approach with virtual servers as well as virtual storage. To reach the end goal of automated and intelligent operations, Bharathi Cement needed to establish a robust IT framework combining storage, computing and networking into a single system, reducing datacenter complexity, easing administration and increasing infrastructure scalability.

The Solution

VMware helped the company migrate from their legacy IT infrastructure to a modern IT set-up that could meet the demands of automated operations. With VMware vSphere Enterprise, Bharathi Cement has moved away from a hardware-agnostic infrastructure towards a software-defined datacenter (SDDC). Whereas, VMware vSAN has allowed Bharathi Cement to have SAP run on production environment through virtual storage, achieving storage consolidation in the process.

Horizon 7 has enabled a digital workspace environment for the company, allowing seamless access to enterprise data across devices. This along with vSphere allows the IT team an easier management of IT assets and one view of the complete infrastructure.

The Benefits

By consolidating storage and server infrastructure with virtualization, Bharathi Cement has paved the way towards a software-defined datacenter (SDDC). This has reduced the hardware dependency, allowing IT to allocate resources rapidly and have full view of resource utilization. It has also eliminated the need to rely on piece-meal upgradations for different parts of IT assets, thus future-proofing the IT infrastructure. This has helped the company to enhance efficiency, flexibility, scalability, and agility of the entire IT infrastructure. It also enabled IT to automate the datacenter operations — monitoring and managing health, spotting performance bottlenecks and capacity shortfalls, and rebalancing workloads when needed. VMware vSAN has improved the storage performance of the IT environment. Integrated with a workplace virtualization platform, VMware’s solutions have helped Bharathi Cement to reduce their Capex and Opex by almost 40%, bringing down the overall cost of ownership. It also helped Bharathi Cement to become one of the few companies running SAP in a production environment on a virtual storage through VMware vSAN.

Key Challenges

- Old legacy IT set-up unable to support modern business applications
- Lack of visibility into resource utilization led to improper capacity planning and resource provisioning
- Enabling intelligent operations and optimizing production capacity

VMware Solutions

- VMware vSAN™
- VMware vSphere® Enterprise Plus Edition™
- VMware vSphere® Standard Edition™
- VMware Horizon® Advanced Edition

Business Benefits



Seamless running of SAP in production environment while leveraging a virtual storage, supported by vSAN



Time to allocate and provision resources reduced from couple of days to minutes



Greater efficiency, flexibility and scalability of the company's operations



Savings of up to 40% because of reduced CapEx and OpEx