



# CASE HISTORY

## Port Container Handling Cranes Preservation

### DATE

December 2012

### CORTEC® REPRESENTATIVE

Cortec® Corrosion Solutions India Pvt Ltd

### DISTRIBUTOR

SIASCO Associates

### CUSTOMER

Andaman Lakshadweep Harbour Works (ALHW)

### LOCATION

Port Blair, Andaman and Nicobar Islands

### PRODUCTS

VpCI®-423 Gel  
VpCI®-418 L  
VpCI®-386  
CorrVerter®

### PROBLEM

ALHW takes special care in protecting the ecology of the sensitive Andaman and Nicobar (A&N) Islands while fulfilling their responsibilities for planning, execution, and maintenance of harbour facilities. Approximately 20-30 heavy duty port container handling cranes in the A&N and Lakshadweep Islands were under their care. Once in two years, ALHW would take up the maintenance of these cranes by cleaning and painting the full structures. By the time maintenance was started, various parts of the cranes had deteriorated due to heavy rust. ALHW needed a corrosion protection method that would be sensitive to ecology and the delicate environment of the A&N islands. They chose Cortec® technologies to protect their assets.

### APPLICATION

SIASCO Associates was entrusted with the job of protecting the ALHW cranes. SIASCO cleaned the rusted areas with a wire brush and then applied Cortec's VpCI®-423 Gel on the cranes, leaving it to soak for one hour. They then washed the surfaces with VpCI®-418 L and after cleaning, CorrVerter® was applied as a primer followed by two coats of VpCI®-386. The customer's yellow-colored paint was then applied as a final top-coat.



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## CONCLUSION

After one month, there was no corrosion. The customer was satisfied and planned to have the rest of the cranes refurbished soon in a similar fashion. Since then, the customer has been releasing cranes or crane components for refurbishment of corroded areas as their budget permits.





