



VpCI® EMITTING SYSTEMS & ELECTRONIC PRODUCTS

CASE HISTORY SPOTLIGHT

Case History #636: Preservation of Offshore E&I Equipment

New offshore wellhead towers needed to be preserved for several years until the oil company was ready to activate them. Internal and external protection of E&I (electrical and instrumentation) items from the corrosive environment were important parts of the project.

Before the installation of VpCI® emitters, ElectriCorr® VpCI®-239 was used to clean electrical contacts and panels. VpCI®-101 Devices, VpCI®-111 Emitters, VpCI®-130 Series foam, and VpCI®-308 Pouches were then distributed throughout electrical cabinets, junction boxes, LERs (Local Equipment Rooms), switchgear rooms, and battery rooms according to enclosure size. VpCI®-126 Film was wrapped around E&I cabinets for external protection. MilCorr® VpCI® Shrink Film was used instead of VpCI®-126 to protect those control panels, junction boxes, and shutdown boxes stored outdoors. Electronic components of various valves were protected with VpCI®-130 Series foam and wrapped in MilCorr® VpCI® Shrink Film. Additional VpCI® products were applied as needed for cleaning/degreasing, hydrotesting, and preservation of other equipment.

The preservation methods adopted were easy and cost effective compared to alternatives, and the client was satisfied with the results during periodic inspections.

Read the original case history in detail here: https://www.corteccasehistories.com/?s2member_file_download=access-s2member-level1/ch636.pdf

APPLICATION
ElectriCorr® VpCI®-239 was used as an electrical contact and panel cleaner prior to installing VpCI® Emitters, VpCI®-111 Emitters, VpCI®-130 Series Foam, and VpCI®-308 Pouches were distributed throughout electrical cabinets, junction boxes, LER (Local Equipment Rooms), switchgear rooms, and battery rooms externally. Field E&I items such as field control panels, junction boxes, and shutdown boxes stored outdoors were protected in the same manner internally and wrapped with MilCorr® VpCI® Shrink Film. Electronic components of the various valves (e.g., ESDVs, MOVs, and choke valves) in the piping system were protected with VpCI®-130 Series Foam and wrapped in MilCorr® VpCI® Shrink Film.

Additional VpCI® products were used as needed on other equipment. VpCI®-414 was used for cleaning and degreasing. VpCI®-649 BD served as a hydrotest additive during construction and VpCI®-337 was fogged into vessel internal areas. VpCI®-391 was also used for long-term preservation. VpCI®-337 was fogged into vessel internal areas. VpCI®-391 was applied as a temporary coating for exposed external components. MilCorr® VpCI® Shrink Film was used for external protection of various field equipment exposed to the aggressive marine environment compared to alternatives. The client was satisfied with the results.

CASE HISTORY
Preservation of Offshore Wellhead Towers

PRODUCT
VpCI®-101
VpCI®-111
VpCI®-126
VpCI®-130 Series
VpCI®-308
VpCI®-337
VpCI®-391
VpCI®-414
VpCI®-649 BD
ElectriCorr® VpCI®-239
MilCorr® VpCI® Shrink Film

DATE
2017 - 2018

CUSTOMER
Leading Offshore Fabricator

LOCATION
Abu Dhabi, UAE

PRESENTED BY
CORTEC
MIDDLE EAST
Environmentally Safe VpCI®/MCI® Technologies
www.cortec-me.com

PROBLEM
A greenfield mothballing project required preservation of new wellhead towers being installed offshore. Everything was assembled, constructed, and commissioned onshore. The wellhead towers were then sent out to sea and installed. They needed to be mothballed for several years and preserved until the oil company required activation. The wellhead towers contained many E&I (electrical and instrumentation) items such as control panels, junction boxes, and shutdown boxes that required internal and external preservation from corrosion and the surrounding environment. Preservation was also needed to maintain the integrity of piping, vessels, and exposed field equipment.

4119 White Bear Parkway, St. Paul MN 55110 USA
Phone (651)429-1100, Toll free (800) 4-CORTEC
Fax (651) 429-1122, Email: info@cortecvci.com
www.cortecvci.com

ch636 7/2019 Page 1 of 2
Printed on recycled paper 100% Post Consumer

©2019 Cortec Corporation. All Rights Reserved. Copying of these materials in any form without the written authorization of Cortec Corporation is strictly prohibited.

4119 White Bear Parkway, St. Paul MN 55110 USA
Phone (651)429-1100, Toll free (800) 4-CORTEC
Fax (651) 429-1122, Email: info@cortecvci.com
www.cortecvci.com



CORTEC
CORPORATION

Environmentally Safe VpCI®/MCI® Technologies

ISO Accreditations apply to Cortec's processes only.

Printed on recycled paper/100% Post Consumer

©2019, Cortec® Corporation. All Rights Reserved. Copying of these materials in any form without the written authorization of Cortec® Corporation is strictly prohibited.