

## Project Case Study

### Owner

**Dole Fresh Vegetables**  
Marina, CA

### Project

**10 Pallet Unloader**  
Marina, CA



## Project Summary

**Substrate**  
Mild Steel

**Surface Preparation**  
SSPC-SP 10 Near White Metal  
Blast Cleaning

**System**  
Zinc/Epoxy/Polyurethane

**Project Completion Date**  
December 2005

## Project Description

Maintenance painting of mild steel on the California coast line is always an issue. The issue is magnified when you operate up to 10 fork lifts that move 30 to 40 pallets at a time dumping water and mud on a continuous basis.

After continuous yearly painting, Dole Fresh Vegetables approached Polytech Industrial, Inc. to see if there was a more permanent solution available.

All work would have to be completed during normal operation without creating dust from blasting. As a result all of the steel was blasted to the required standard using sponge media that creates 95% less dust than conventional blasting with the same finished result.

Immediately after blasting, a coat of inorganic zinc was applied to give "sacrificial or galvanic" protection followed by a coat of polyamide epoxy and a finish coat of aliphatic polyurethane.