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**FOR IMMEDIATE RELEASE**

## **APM TERMINALS RTG ELECTRIFICATION**

Santa Ana, California, February 28, 2012  
–Intrinsic Engineering Incorporated has been contracted by APM Terminals to design and engineer the primary electrical infrastructure to power six Electrified Rubber Tired Gantry Cranes (ERTGs). **This installation will be the first in the United States.**



The conversion of RTGs from diesel to electric operation leads to savings of up to 95 percent of diesel consumption. E-RTGs no longer need a diesel engine at all during regular operation, only for driving from one container aisle to the next or in the maintenance area. The elimination of diesel operation also reduces maintenance and operating costs, as well as up considerable amounts of CO2 emissions and noise in the port.



The project is implementing existing 4.16kV service feed and specification of a 2.5MVA cast coil step down transformer to 480V to feed the ERTG 1000A conductor bar system.