

# Application Success Story

Industry: Petrochemical refining, aromatics

Product: One Series 1XSWLL, ex-proof, 2-wire discrete input, one switch output

Application: Tank Level (pressure & DP) and High Temperature

Process Fluid: Lube Oil, Cooling Water, Hydraulic Oil

Quantity: 142

Distributor: Kumsanmne, South Korea



## Customer

Hanwha Total Petrochemical Co., LTD (HTP) operates a large-scale energy and petrochemical complex composed of 15 separate plants in the Daesan Petrochemical Complex in Korea. HTP completed a facility expansion in 2014 that added a second aromatics plant and a CFU (Condensate Fractionation Unit), enabling the company to produce energy products including gasoline, diesel fuel, jet fuel, fuel oil.

## Challenge

HTP had a large number of electro-mechanical switches with output tied directly to the distributed control system (DCS). With switches from every conceivable supplier, spare parts inventory was expanding and maintenance was becoming increasingly difficult with so many product variations.

## Solution

Upgrade the installed base of mechanical level switches from SOR, CCS, NAGANO, TOKYO KEISO AND MAGNETROL to a single model: One Series 1XSWLL.



## Results

By using the same wiring and same control scheme, the electronic switch upgrade takes only minutes per point and is cost-effective when compared to upgrading with transmitters. Only UE's patented electronic technology can accept power from a DCS/PLC and use the same wires that previously connected to the switch. Understanding the customers problems, features and what the features can do is the reason for the success.

## Contact Information

For additional information please contact our application experts at +1 617-923-6977 or visit our website [www.ueonline.com](http://www.ueonline.com).



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