



SOFTWARE - SYNERGI PLANT - RBI

BEST RBI SOLUTION FOR GS CALTEX

Customer story - GS Caltex

GS Caltex first became a DNV GL customer in 2000, when the engineers recognized the risk-based inspection (RBI) software was superior to and more systematic than its competitors.

Korea's leader in providing total energy service, GS Caltex uses Synergi Plant - RBI for risk-based inspection examination. Dong-Hun Yang, Inspection & Reliability Engineer at GS Caltex, has been using the software since 2009.

When the software was introduced in GS Caltex in 2000, it was because "we had recognised it was superior to and more system-

atic than other analyser software," says Mr Yang. "It has very high reliability due to reasonable parameters," he says.

Mr Yang is a key person on the Facilities Inspection 1 Team, which is responsible for the inspection of fixed equipment and improvement of reliability at GS Caltex Yeosu, including a refinery and facilities for storing and shipping oil.

“We recognised that Synergi Plant - RBI was superior to and more systematic than other competing software.”

Dong-Hun Yang, GS Caltex



Mr Yang has been at GS Caltex since 2006. His current responsibilities include inspection of fixed equipment and improvement of reliability on a refinery plant, aromatics plant and facilities for storing and shipping oil at GS Caltex Yeosu.

The Facilities Inspection 2 Team has responsibilities for the residue fluid catalytic cracking plants and the hydrocracker plants.

Reliability improvement

There are two users of Synergi Plant - RBI at GS Caltex. They are planning on attending training to get the full benefits of the new release of Synergi Plant - RBI.

GS Caltex has crude oil refining facilities with a capacity of 775,000 barrels a day. The company began commercial operations in 1969, producing 60,000 barrels a day, and continues to expand facilities in response to the ever-changing market. GS Caltex is the third largest single-site oil refinery in the world.

GS CALTEX IN BRIEF

Since its establishment in 1967 as the first private oil company in Korea, GS Caltex has been at the heart of the Korean energy industry, offering clean energy and providing easily-accessible energy services. Powered by the state-of-the-art technology and the success of its core businesses, including petroleum, petrochemical, base oil and lubricants, GS Caltex currently exports petroleum and other petroleum-based products to 20 nations worldwide.

PROFILE

- Customer name: GS Caltex
- Web address: www.gscaltex.com
- Market: Refinery, Petrochemical
- Employees: 3000
- Solution/product: Synergi Plant - RBI

BRIEF ACCOUNT

Why we chose DNV GL

- DNV GL solutions are superior to competing software

This is what we gained:

- Systematic software
 - High reliability due to reasonable parameters
 - Approval from Korean authorities to expand periodical maintenance period for some processes
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