DIGITAL LNG
INCREASING LIQUEFACTION TRAIN RELIABILITY THROUGH CLOUD BASED ANALYTICAL SOFTWARE

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OPERATIONAL ISSUE

In LNG plants, main equipment is usually well instrumented and monitored to ensure the required level of safety and the minimum operating performance. Deploying similar techniques on all other equipment is not economically viable even if its failure may also trigger, by cascades, the trip of a unit and/or the entire plant, leading to significant production losses.

Which equipment will cause next plant downtime?

THE SOLUTION

Time-To-Trip application uses plant operation data and powerful analytics to:
- Compute equipment health indicators from existing instrumentation
- Forecast equipment trips days and weeks in advance
- Rank equipment according to the impact of its trip on LNG production

EXAMPLE OF EVENTS CAPTURED WITH OUR FORECASTING TECHNIQUES

PROPOSED DEPLOYMENT PROGRAM

Identifying customer needs
Opportunity value exploration
Customer provides data + access to its engineers.
BHGE-TPFM Engagement & Analytics Devt
Solution deployment

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RESEARCH & INNOVATION SHOWCASE
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