NORTH SEA FLOW

MEASUREMENT WORKSHOP
measuring for the energy transition

Poster 2021

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OIL AND GAS MEASUREMENT

Posters

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Poster title: Digital Transformation – GC and Measurement Validation

Main authors name and affillation
Anwar Sutan – i-Vigilant
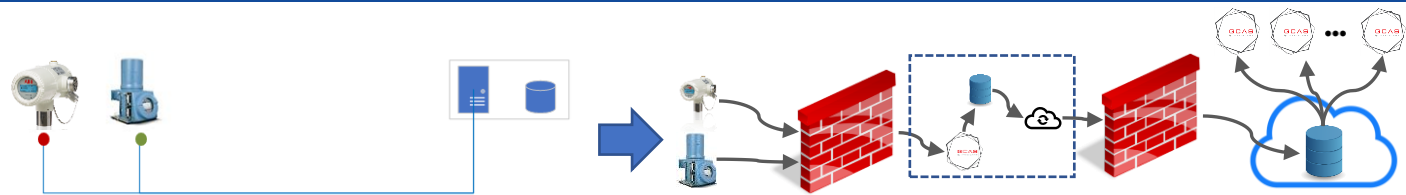
Co-authors names
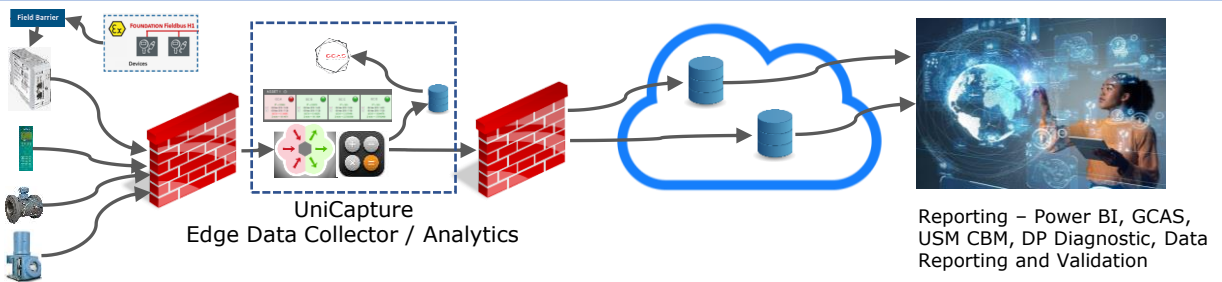Paul Daniel – i-Vigilant

Short bio of presenter:
Anwar Sutan is the founder of i-Vigilant and the inventor of GCAS. GCAS is GC condition-based monitoring software that is widely used in the UK North Sea. Anwar currently as Director in i-Vigilant, overseeing the support of the GC data monitoring, services, and training of GC with the use of GCAS.

Together with i-Vigilant's team, Anwar developed UniCapture, an edge data collector / analytics platform that can be used to capture all data, perform edge analytics and transfer the data to either databases or MQTT brokers in an efficient manner.
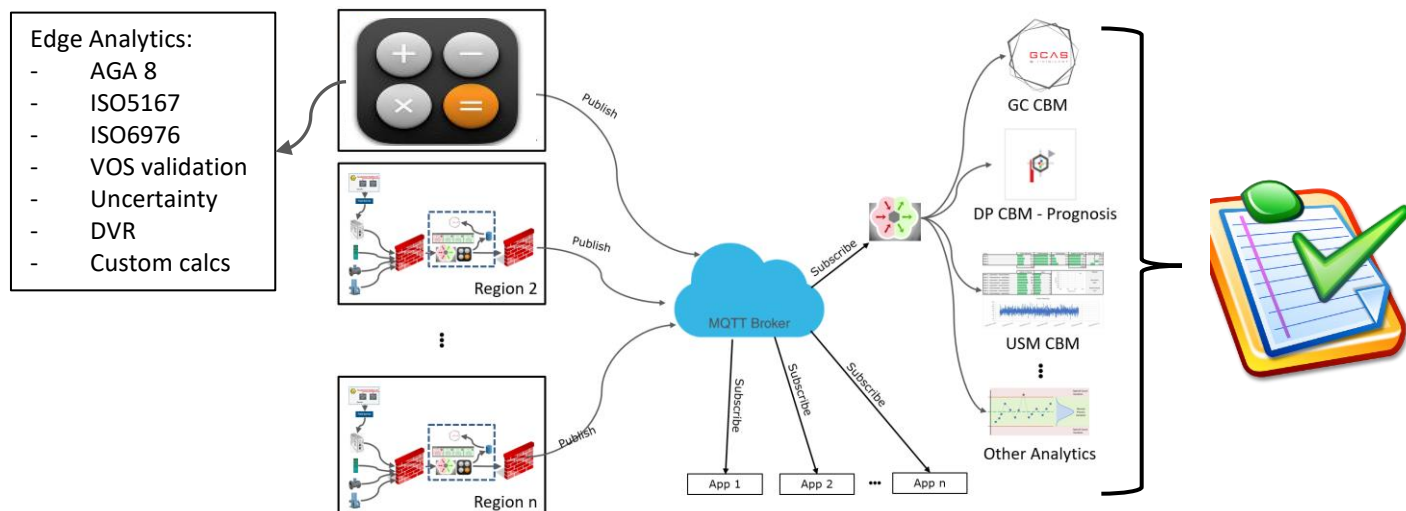
The Digital Journey

GCAS Local Installation migrates to the Cloud Enterprise Solution

UniCapture
Edge Data Collector / Analytics

Reporting – Power BI, GCAS, USM CBM, DP Diagnostic, Data Reporting and Validation

UniCapture provides unifying edge collection / analytics for all devices supporting holistic CBM

Edge Analytics:
- AGA 8
- ISO5167
- ISO6976
- VOS validation
- Uncertainty
- DVR
- Custom calcs

Region 2

MQTT Broker

Region n

App 1   App 2 ••• App n

GC CBM

DP CBM - Prognosis

USM CBM

Other Analytics

TECHNICALLY DEFENSIBLE DATA