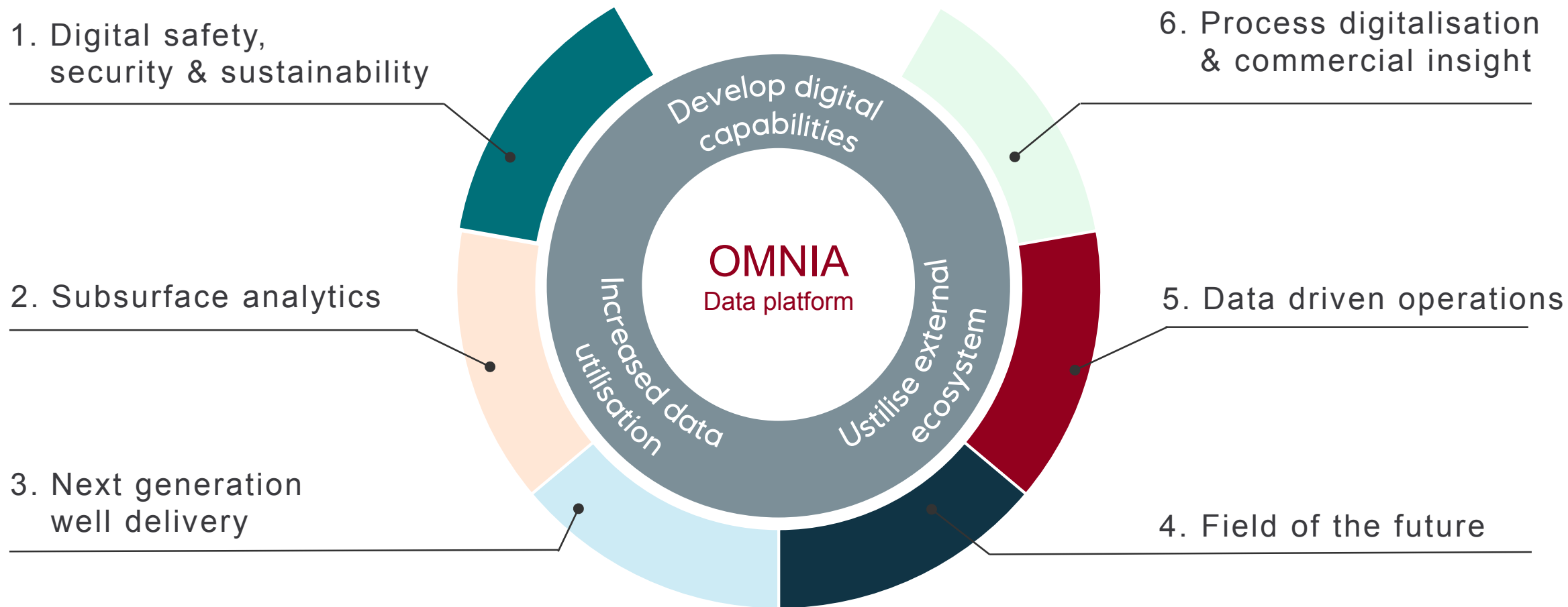




Tekna Fagmøte Trondheim 03. April 2019

Echo – Equinors egenutviklede digitale tvilling

A company wide digital roadmap



 Echo

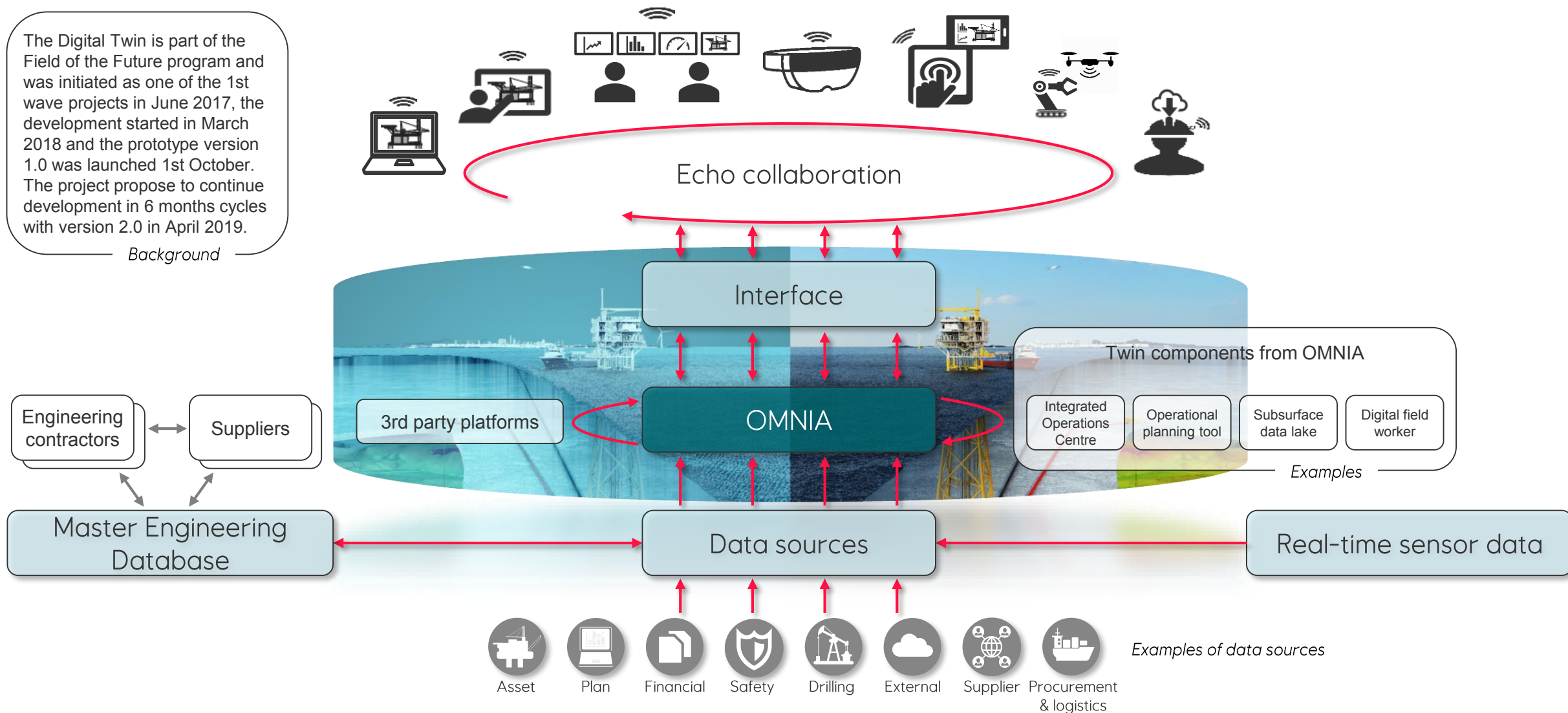
A story of rapid development



System interface











The Digital Twin is part of the Field of the Future program and was initiated as one of the 1st wave projects in June 2017, the development started in March 2018 and the prototype version 1.0 was launched 1st October. The project propose to continue development in 6 months cycles with version 2.0 in April 2019.

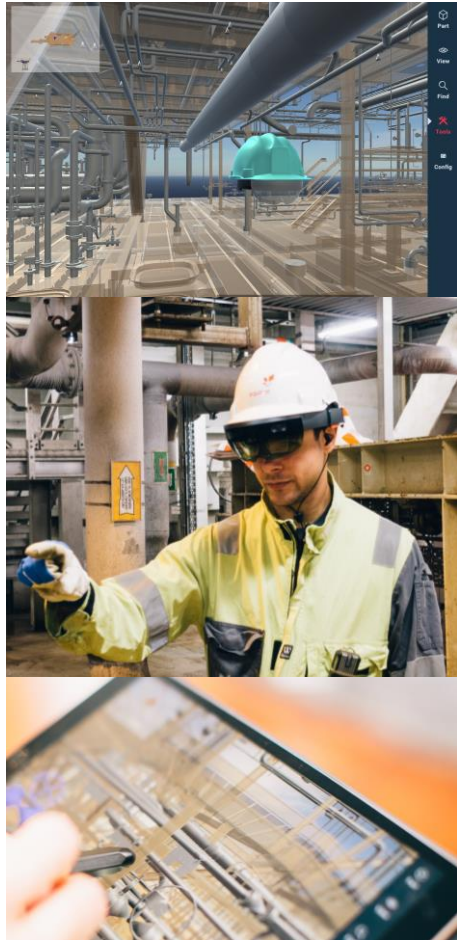
Background



NE

View Tools Find Align Share

 Picture	 Stop	 Obstacle	 VR-Tools	 Water Cones
 Measure	 Unhide	 Loading Range	 Load area	 Exit



Echo accessible on desktop, tablet, HoloLens and immersive VR (future: web, phone etc)

Integrate knowledge and quality assured data - actual, simulated and historical - at component level

Digital representation - model and map - of physical assets

Cyclopedia



Connection



Bridge physical world with virtual world and augment reality in real time

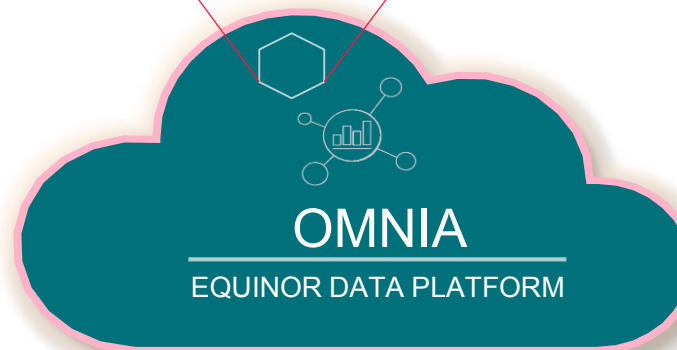
Construct



Collaboration



Virtual collaboration, optimization, training and guidance - across locations

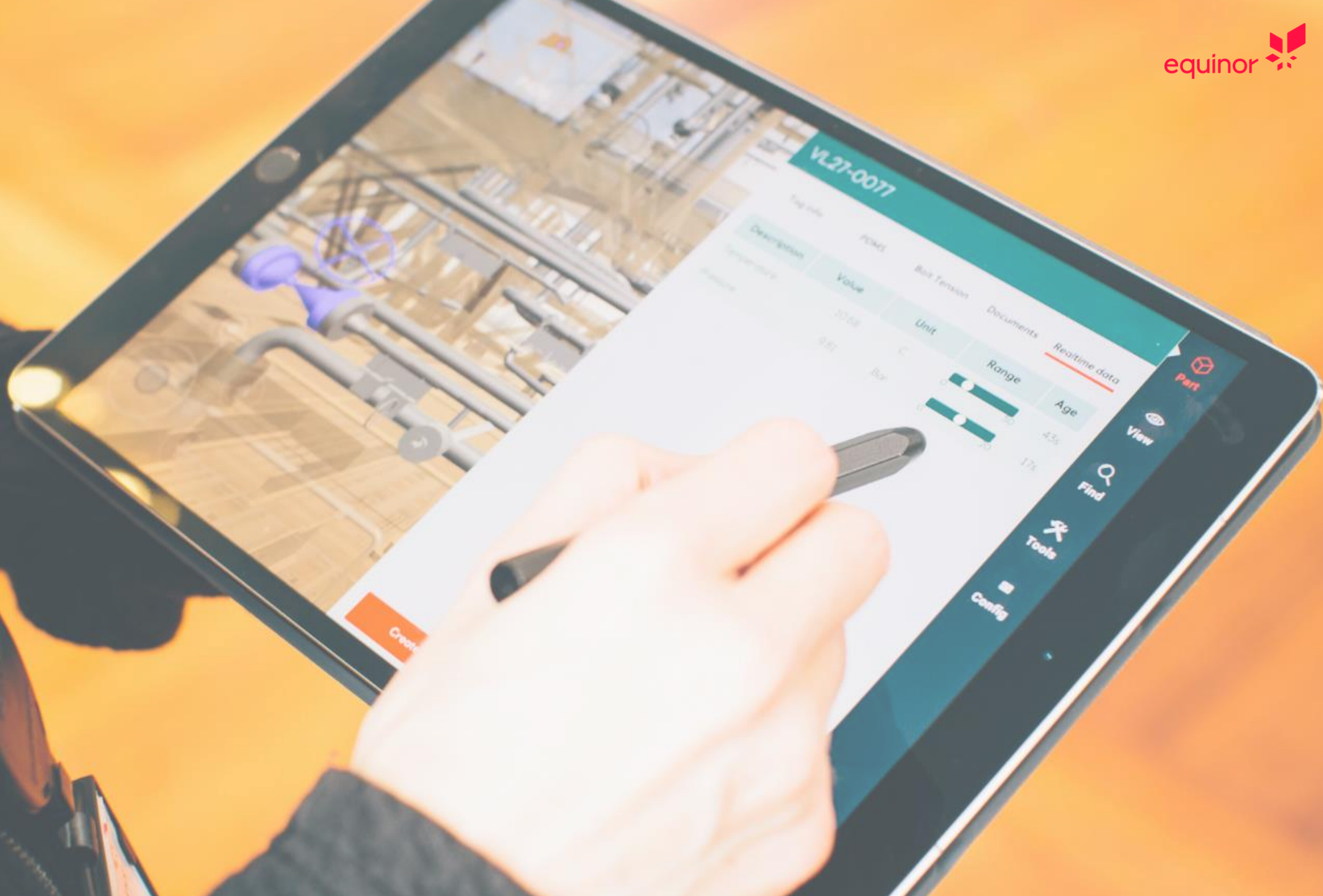




equinor

What have we learned?











Read more on Loop
<https://loop.equinor.com>



Echo

Harald Wesenberg, Specialist IT, IT Software Innovation

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