# **2018**

www.chc-nsc2018.ca

Victoria, B.C. March 26-29, 2018 Victoria, C.B. 26 au 29 mars 2018





Land and Sea Shaping the World Terre et Mer Façonnant le Monde

Integrated solution for seafloor mapping, processing and distribution

Arne Johan Hestnes Kongsberg Maritime

#chcnsc2018

#### Kongsberg Maritime, Subsea Division





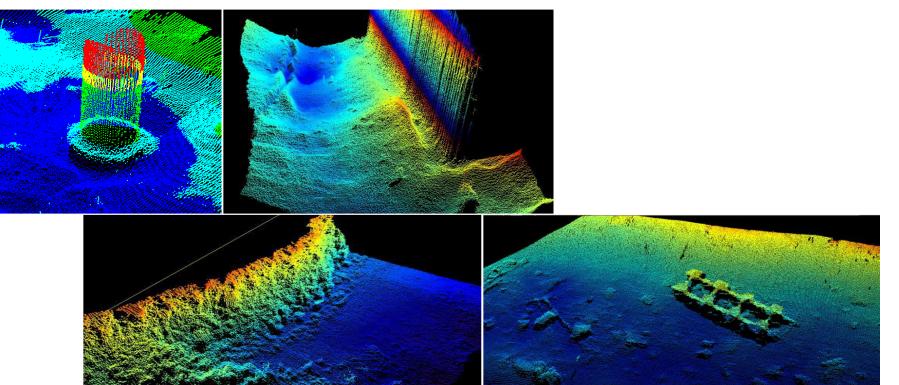
#### Multibeam Echosounders, the EM<sup>™</sup>-family





#### **Processing Software**





#### Kognifai





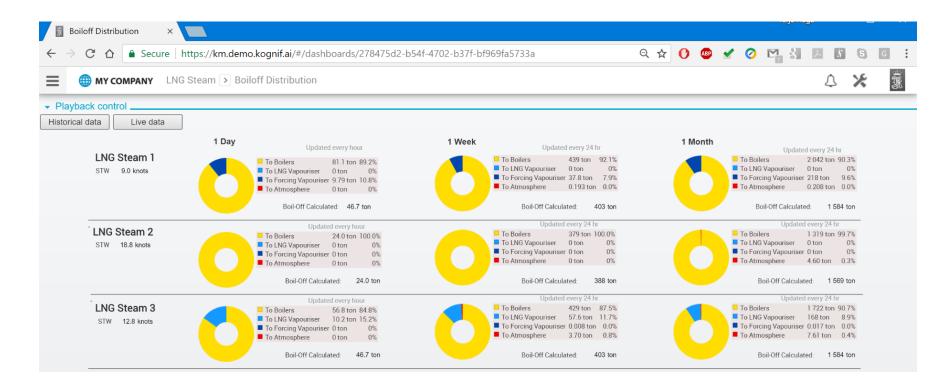
#### Kognifai



- Data upload
- Data sharing
- Combining data from many sources
- Big Data makes Machine Learning possible
- Scalable computer resources
- Easy access to Kognifai
- Secure storage
- Hybrid Cloud
- Software Development Kit for developers
- Virtual PC

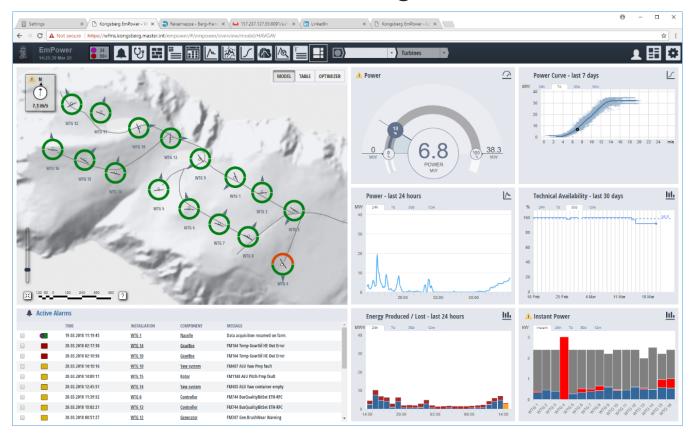
#### Kognifai in use – Vessel & Fleet Management





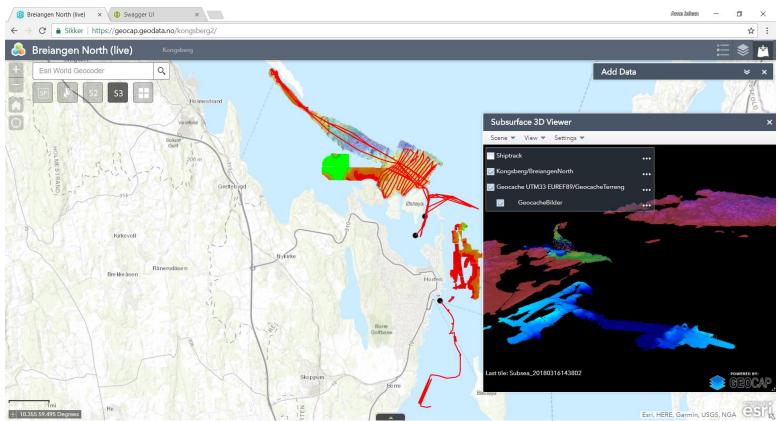
#### Kognifai in use – Windfarm Management





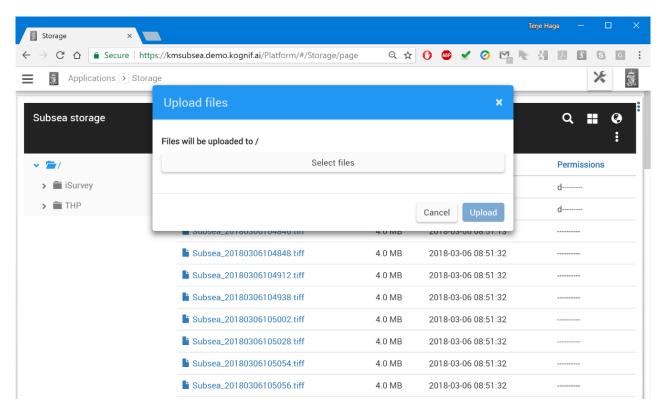
#### Mapping Cloud





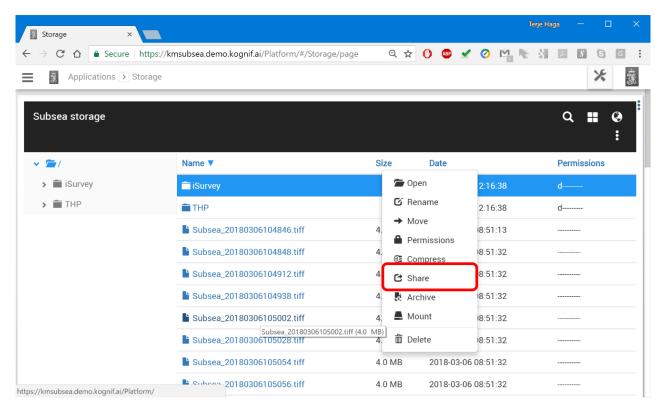






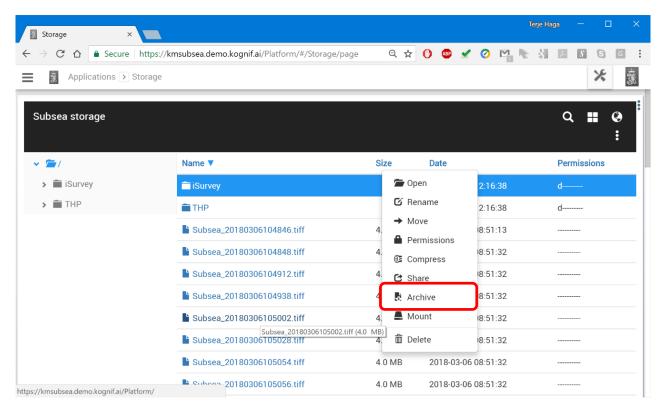






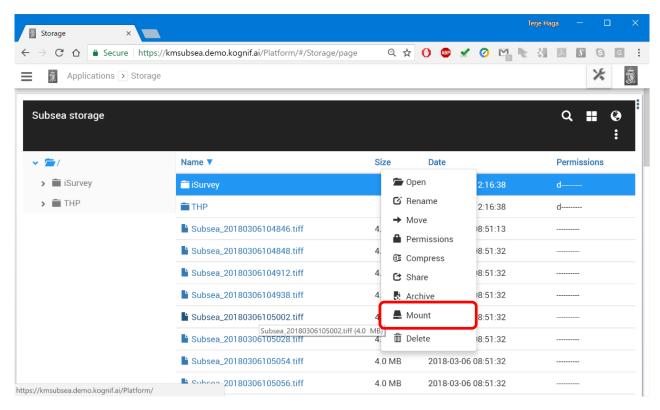






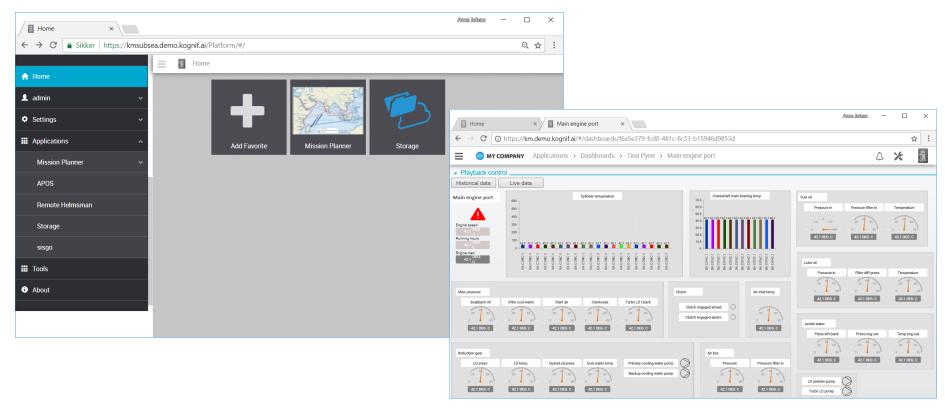






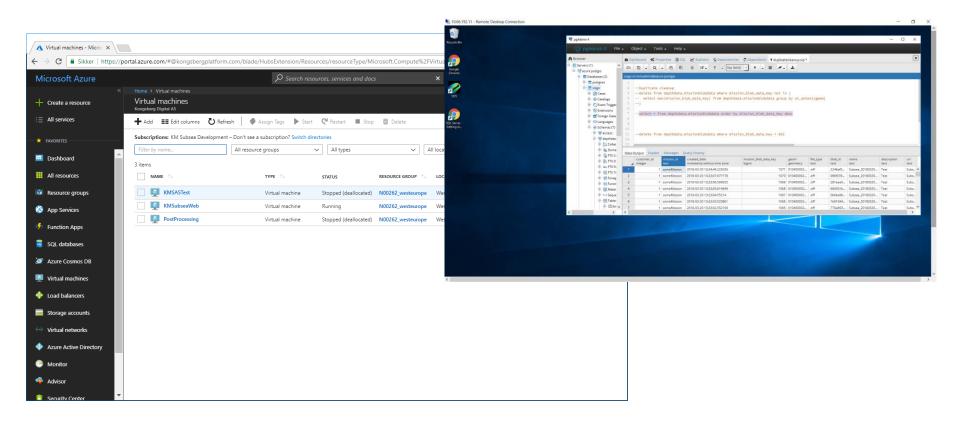








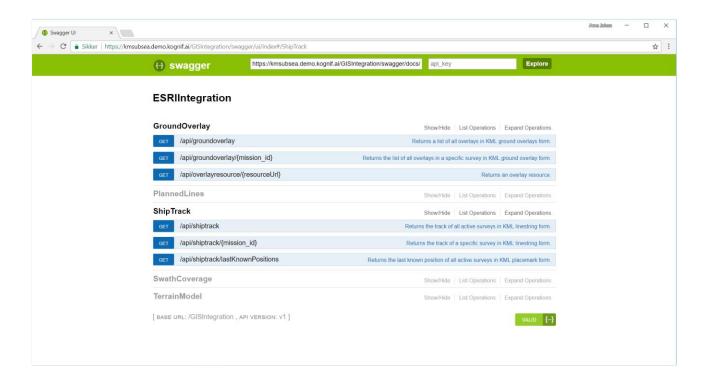




#### Sharing data with Kognifai

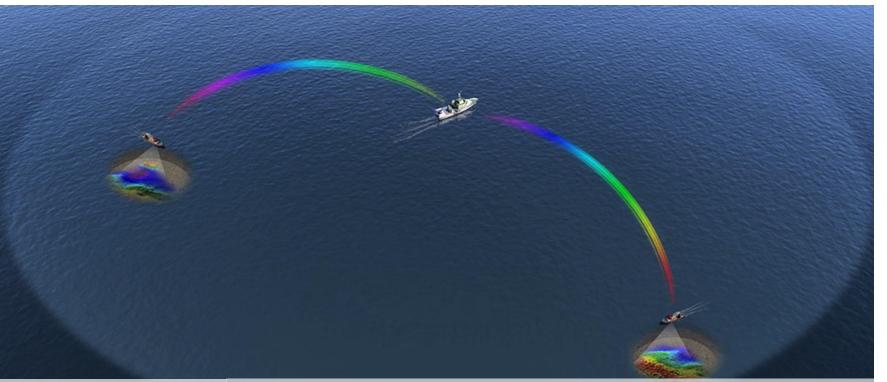


- IOT Devices
- Connected storage
  - Azure AD
- REST services
  - OpenID security



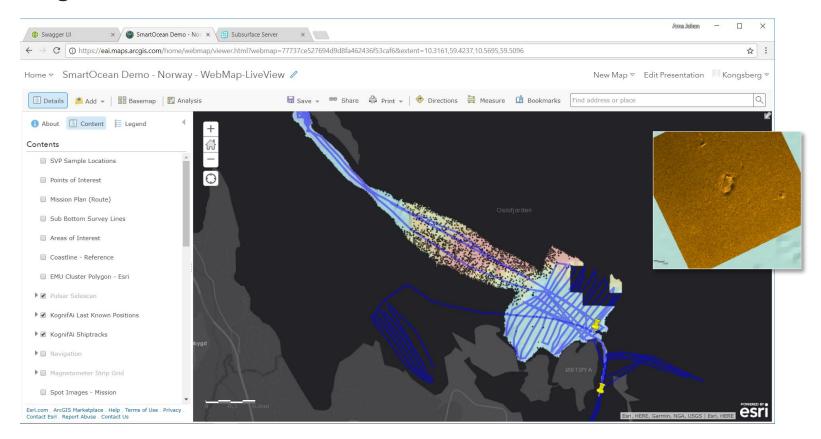


## Ship-to-Ship Communication during subsea mapping Marine Broadband Radio (MBR)



#### Digital Ocean







### WORLD CLASS

THROUGH PEOPLE, TECHNOLOGY AND DEDICATION