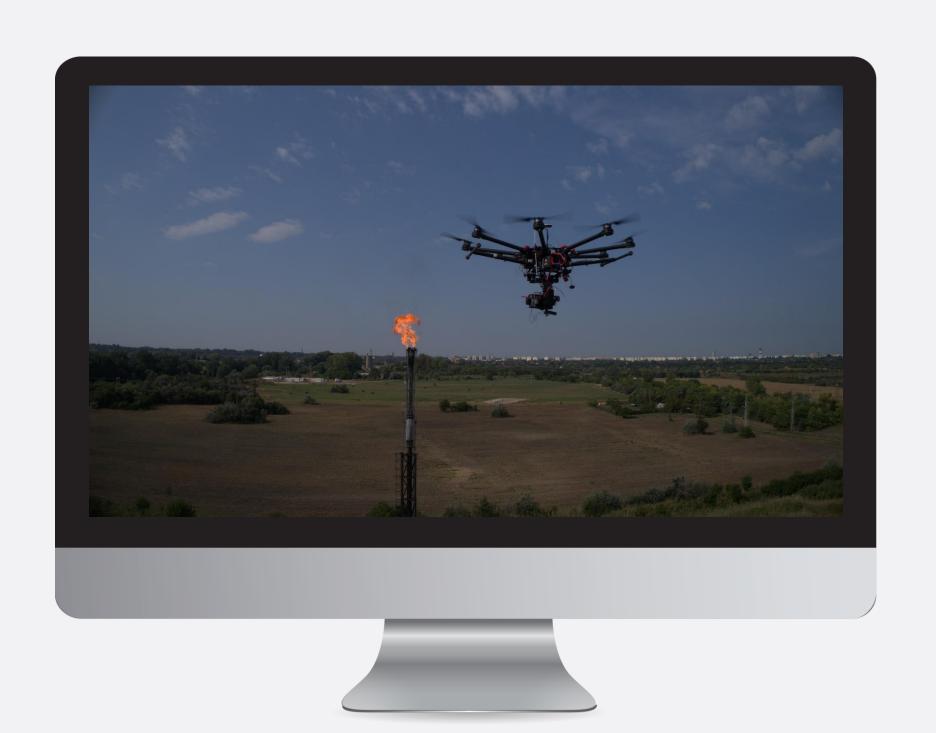
Drone inspections' value in E&P operations

Dávid Havas 15-16 November 2018 SPE Conference Visegrád

Advantages





Digitalized change control of operation area



High altitude and significant acreage inspection



3D modelling, even minor changes can be tracked



Safe operation, no scaffolding



Speed and fast reaction time



Digital documentation of project progress

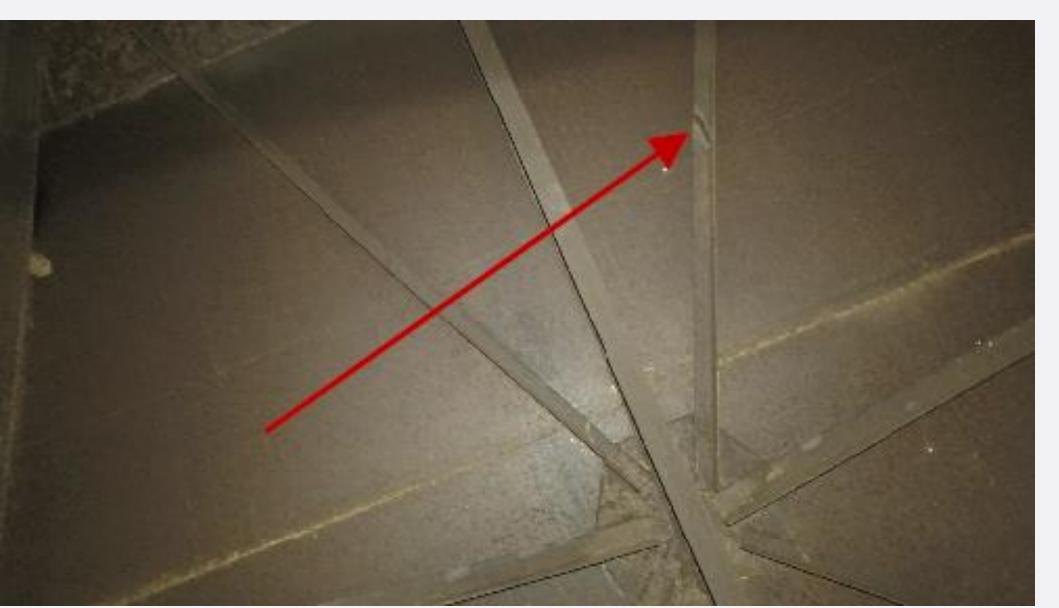
Insight into drone inspections' values

Inside inspection Pre operation Surface Surface Full scale inspection Outside inspection During operation Underground Gathering Material deposition Pipelines Storage tanks Flare station

Storage tank and pipeline – digitalization and georefering



Storage tank – precise inspection and objections' recording in high altitude in a safe way



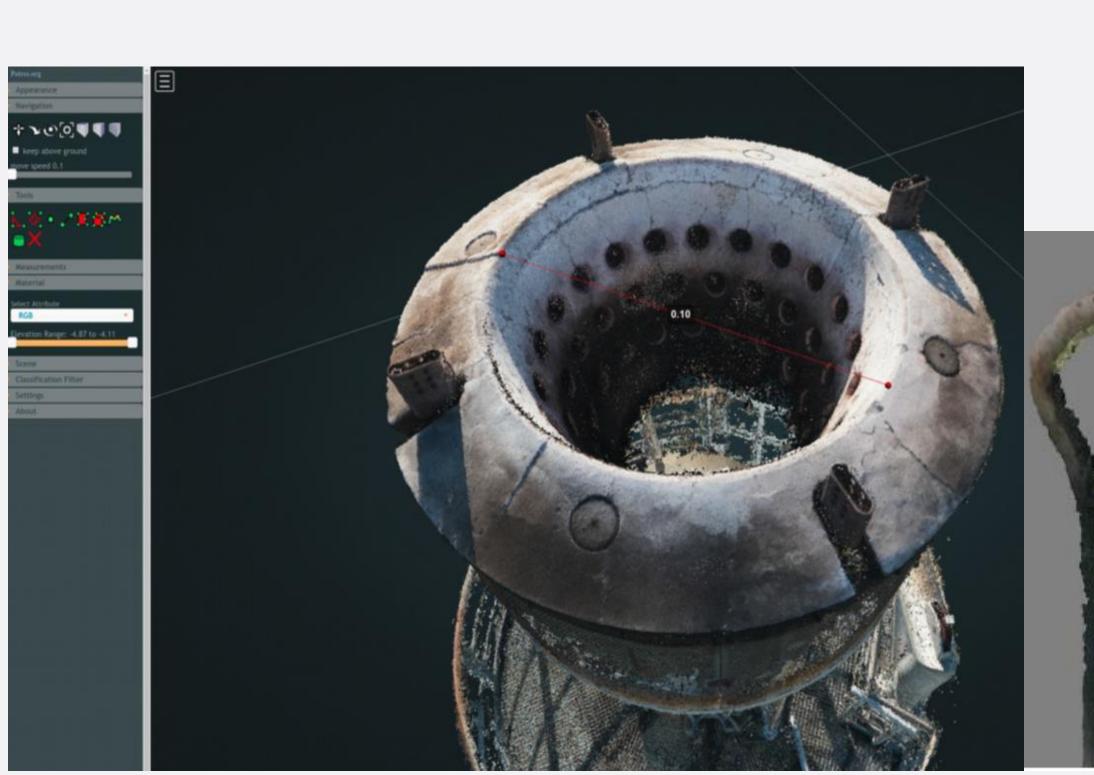


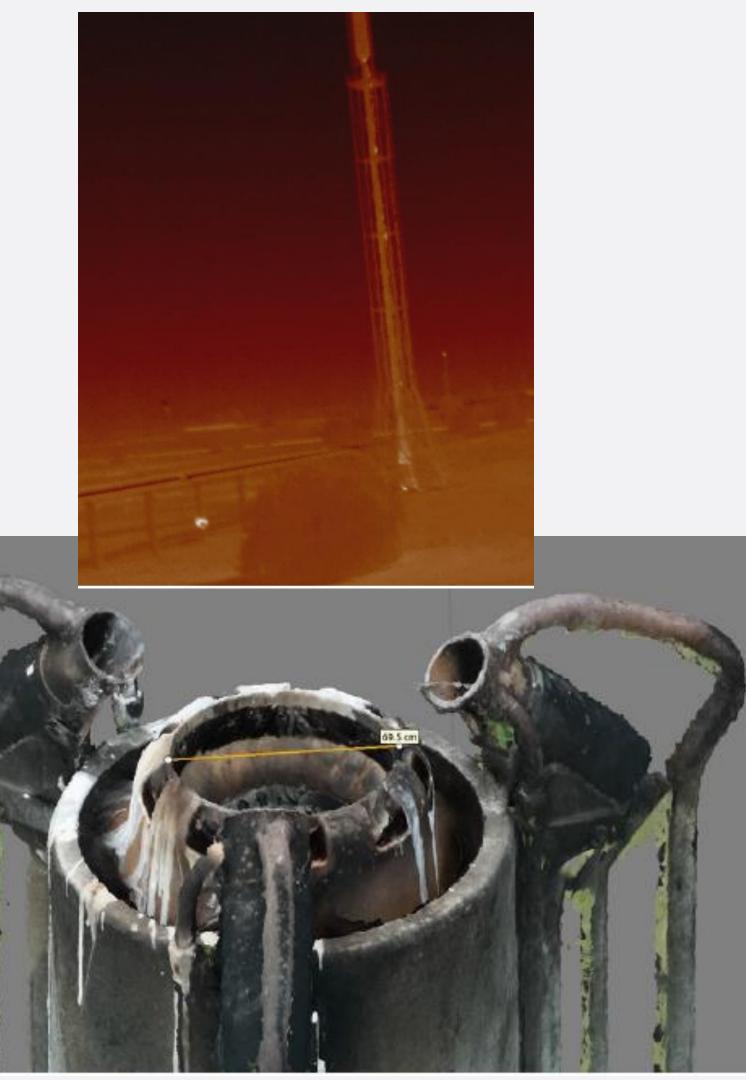


Digitalization, measurable 3D model



Flare inspection – create measurable digital twin of flare

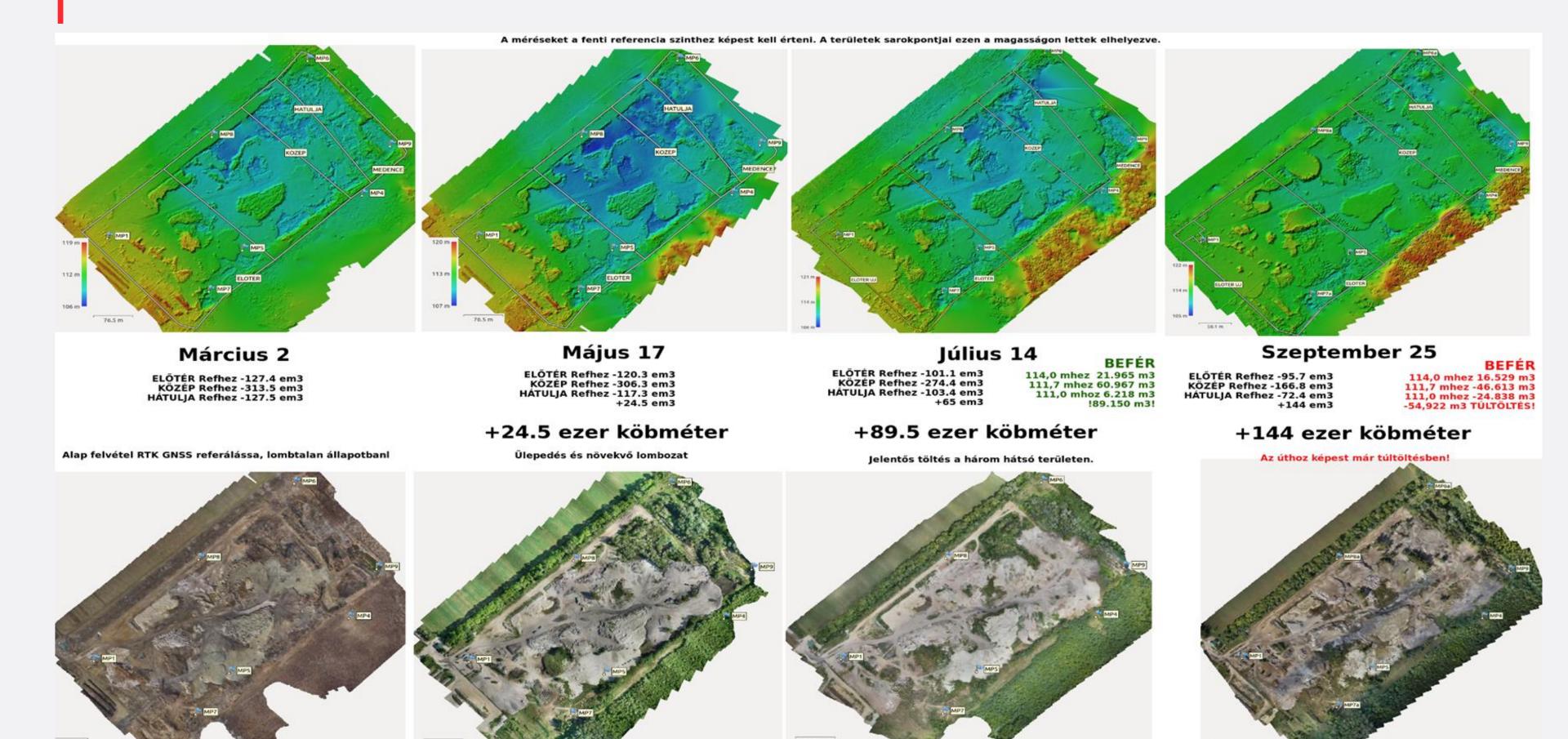




Operational unit – thermographic inspection



Material deposition - volume calculation and control



Thank you for your kind attention