Artificial Intelligence for Oil & Gas
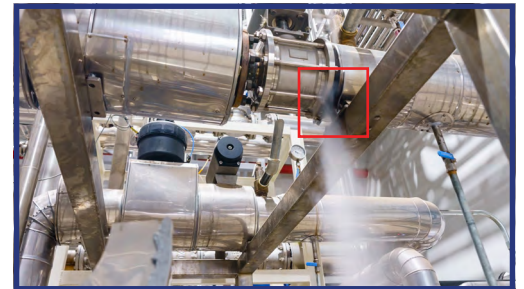## Innovate Safety, Risk Assessment and Analytics

Uncovering Risks with Computer Vision

AI-powered cameras coupled with machine learning (ML) can uncover defects in piping, such as improper threading that causes negative effects if installed into a pipe string. V-Soft's defect detection solution uses advanced computer vision to uncover defects in equipment before it's installed.

PPE and Personnel Safety Management

Leverage the power of computer vision to automatically detect when workers aren't complying with PPE regulations. Smart cameras can also detect facility traffic patterns to monitor workers' whereabouts and recognize if they have fallen or been injured.

Informing Decisions with Analytics

Deep learning solutions allow managers to make critical decisions based on next-generation data insights that are more precise than traditional machine and regression models.

Case Studies

Company
Multi-National Petrochemical Manufacturer

Challenge
Manual monitoring of a large worksite was difficult and managers were missing critical incidents

Solution
Computer vision system actively identifies PPE gear and personnel traffic patterns and alerts management of missed protocols or accidents

Result
Improves safety protocol compliance by 99% and decreases incident response times by 75%

Company
Steel Piping Manufacturer

Challenge
Manual quality control process was time consuming, costly and often still left errors in products

Solution
Computer vision system automatically identifies up to 15 categories of pipe thread defects and captures data to alert management

Result
Increases quality production throughput to 97% and cuts QC department costs by 80%