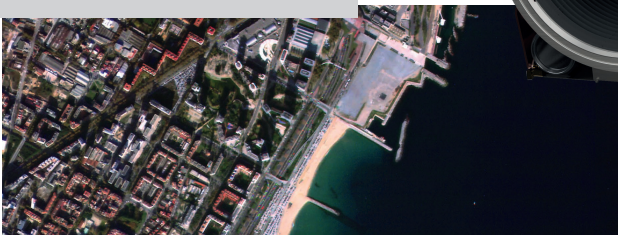# SOLUTIONS FOR
OIL & GAS

SATELLOGIC

COMPANY PROFILE

Satellogic specializes in Earth Observation data collection and analytical imagery solutions for oil & gas.

- Satellogic **designs, builds and operates its own fleet of Earth Observation satellites** to collect affordable high-resolution imagery with high recurrence for decision-making in a broad range of applications.
- Specialized in computer vision and big data analytics, Satellogic uses state-of-the-art artificial intelligence (AI) and proprietary algorithms to help industry professionals solve problems and meet their goals.

MULTISPECTRAL CAMERA
Sub-meter Resolution

HYPERSPECTRAL CAMERA
25-meter Resolution

OIL & GAS APPLICATION EXAMPLES
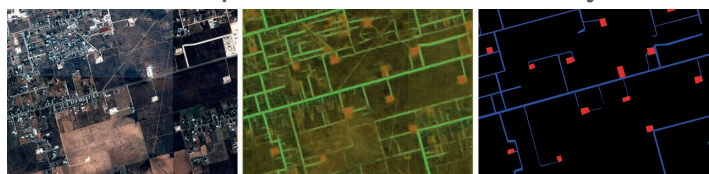
PRODUCTION INFRASTRUCTURE MONITORING

SOLUTION FEATURES:

- Semantic change detection of pads, roads, pools, pipelines, storage tanks and heavy machinery
- Automated learning of new landscapes and new objects
- Updated infrastructure and asset status information
- Frequent global coverage of large surfaces

CLIENT BENEFITS:

- Customized up-to-date information about infrastructure changes that matter to you
- Automated GIS updates on infrastructure and asset status
- Low-cost market intelligence at your fingertip

Neural Network response to different infrastructure objects

Yearly change detection results

PIPELINE MONITORING

SOLUTION FEATURES:

- Regular inspection to detect hazards in proximity of oil and gas pipelines
- Single solution contemplates combined drone and satellite inspection for recurrence and resolution needs
- Customizable alerts by type (man-made vs natural change) priority level, distance to asset, etc
- Change and alert history, mobile access

CLIENT BENEFITS:

- Timely info about any incident or change, detailed inspections on-demand
- Reduction of theft and prolonged damage
- Historical analysis can provide new insights and inform decisions e.g. identifying risky pipeline sections over time
- Reduction of manual inspections at lower cost and higher coverage

Before, after and semantic change detection results (new man-made structure)

OIL & GAS
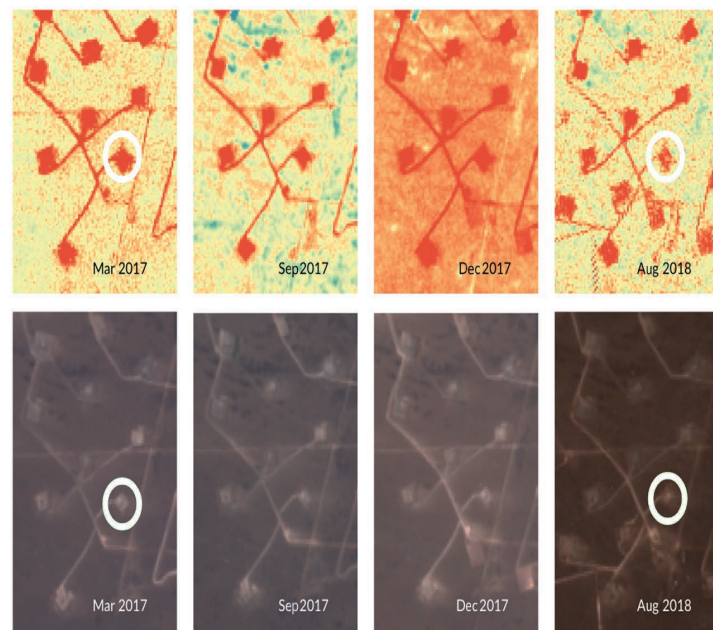# APPLICATION EXAMPLES

ENVIRONMENTAL COMPLIANCE

SOLUTION FEATURES:

- Certify vegetation recovery after location abandonment or natural and man-made events
- Track evolution statistics derived from standard and customized vegetative indices
- Client selects areas of interest and receives recurrent reports for regulatory bodies

CLIENT BENEFITS:

- Ability to supply concrete evidence of compliance with reclamation regulations
- Provide regulators with both visual and quantitative proof
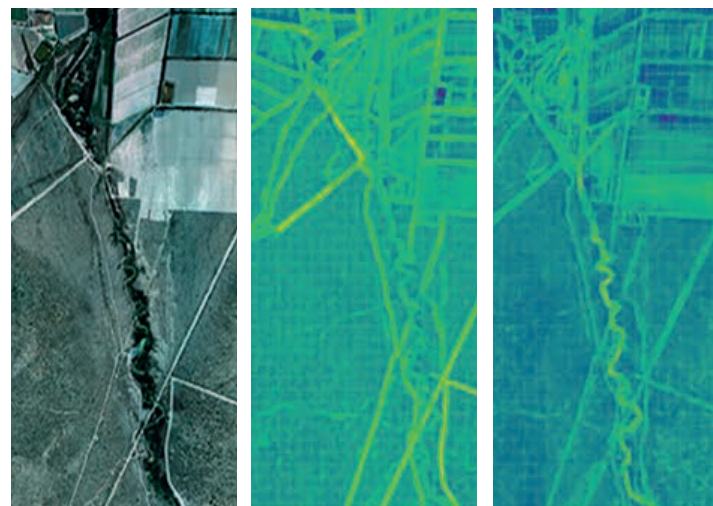- Low-cost proof with no manual intervention
- Directly embedded in reports

Evolution of abandoned well

OVERALL CLIENT BENEFITS

INCREASE COMPETITIVENESS

- Increase inspection rate and surface coverage thanks to lower costs and fully automated algorithms
- Reduce time and manpower required to collect and process monitoring information
- Prevent and detect theft, incursions and other illegal activities
- Easy access through web and mobile, even on the field

nkappa road and river detection network responses

OIL & GAS
APPLICATION EXAMPLES

ADD VALUE TO OPERATIONS

- Improve baseline data on critical assets and infrastructure thanks to frequent, high-quality, area-wide information
- Increase detection and mapping accuracy and coverage compared to ground survey techniques
- Enable historical trend analysis and long-term monitoring

COMPLY WITH REGULATIONS

- Low-cost visual evidence for compliance certification
- Vegetative indices and certified metrics to support reclamation progress

Fully automated infrastructure labelling

CONTACT US

SATELLOGIC

FINANCE + BUSINESS
DEVELOPMENT & SALES
USA Hub

PRODUCT DELIVERY
+ PLATFORMS
Barcelona

HIGH THROUGHPUT PLANT
Rotterdam

DEVELOPMENT TEAM
Córboba

PILOT PLANT
Montevideo

SATELLITE R&D + MISSION OPERATIONS
Buenos Aires

SALES@SATELLOGIC.COM