Celesse

Scalable Earth Observation Intelligence

Driving Smarter, More Efficient, and Resilient Energy Systems

CEPartnership Networking session

July 2025

VISION

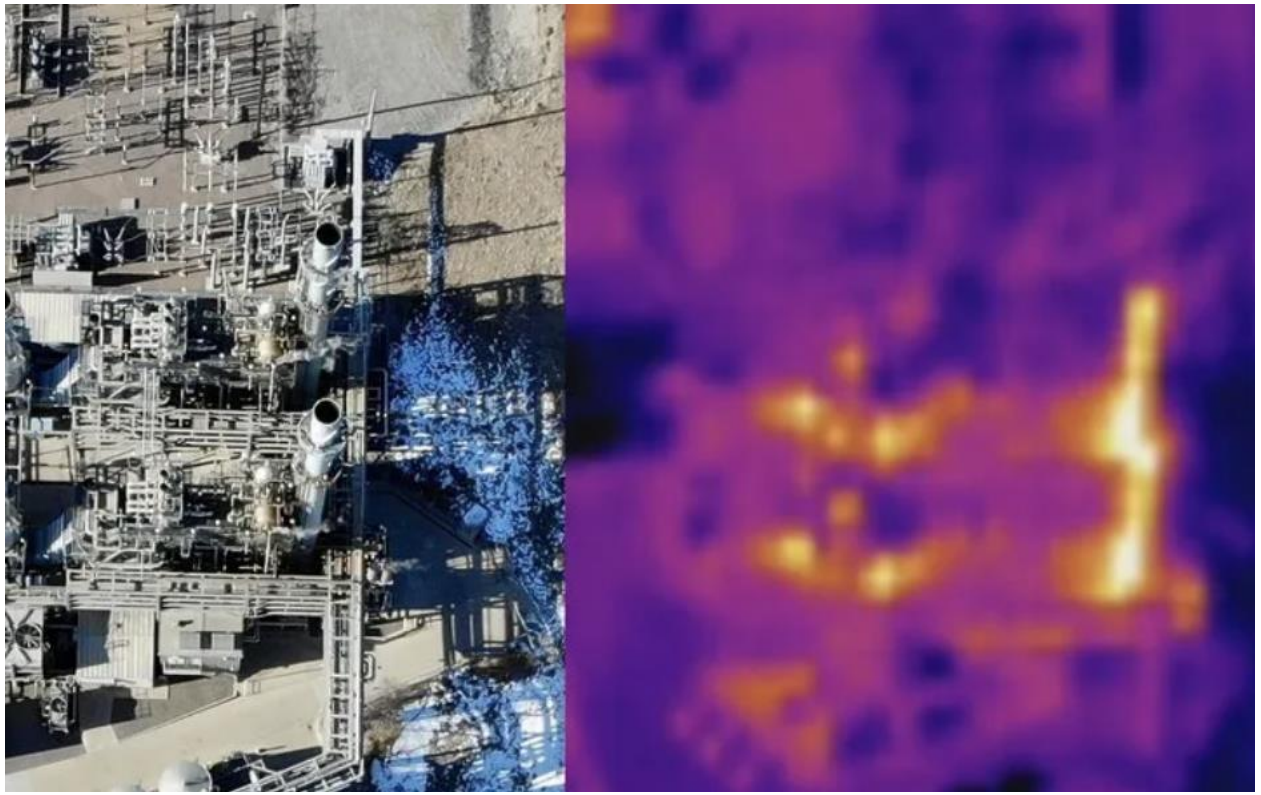
Reliable Intelligence.

Resilient Infrastructure.

Empower governments and businesses with actionable Earth intelligence to manage critical infrastructure, monitor environmental resources, and build climate resilience.

OPPORTUNITY:

Thermal + Optical data enables to see the features with unparalleled accuracy



HOW CAN WE CONTRIBUTE?

OUR MENU:

Tools to quickly identify energy losses and equipment overheating through AI analysis of satellite heat maps.

Energy Loss

Proactive maintenance

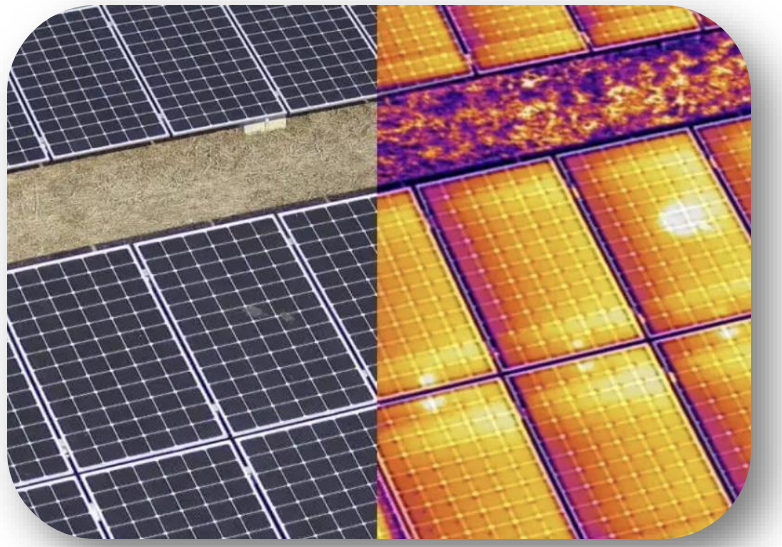
Tools to enable proactive maintenance by forecasting infrastructure issues before they cause downtime.

On Demand monitoring

Provide users with comprehensive on demand monitoring by combining Earth observation data with IoT sensors in remote locations.

Precise Decision Making

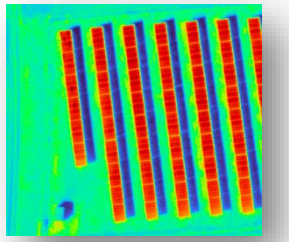
SCALABLE TECHNOLOGY



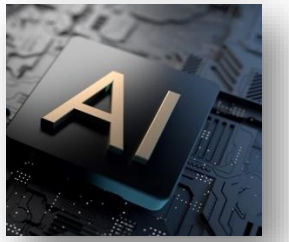
Defects = Heat anomalies
Thermal images from **Space** reveal problem areas

We develop proprietary **AI detection & output prediction models** to offer timely insights for large-scale, remote areas with little to no access to data

Satellite imagery covers a full



In-house Algorithms 4x imagery

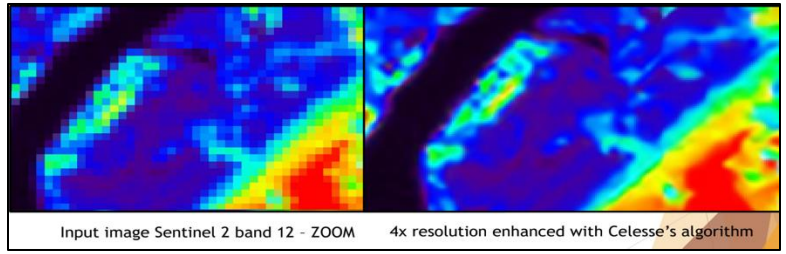


Proprietary AI automatically detects heat

Optical verification cross-check results and

ABOUT US

- BASED IN THE UK and Poland. Established in 2022.



- x4 Thermal Imagery Enhancement Algorithm developed
- ESA Business Incubation – Cohort 2023 with initial funding of €50,000
- Partnership with ConstellR data provider

CONTACT DETAILS

THANK YOU

CELESSE team welcomes any questions

Contact: Natalia Lemarquis, CEO

T: +44 7933 961138
E: natalia@celesse.space

www.celesse.space