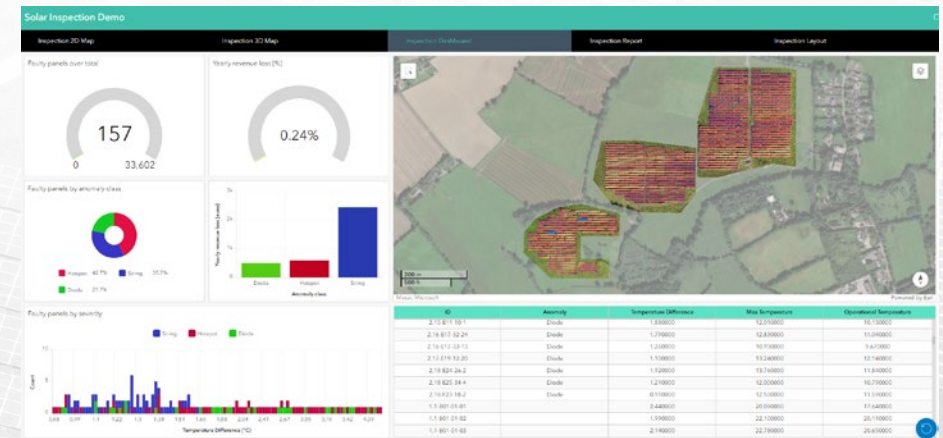


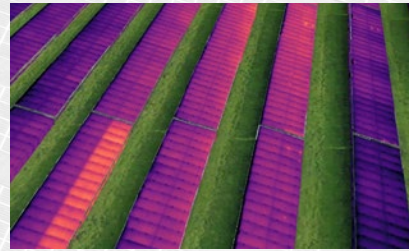
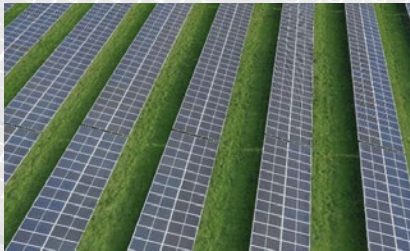
SOLAR FARMS - THERMAL DRONE INSPECTIONS

What is the MKO Thermal Drone Inspection Service?

- **Inspection** of solar infrastructure using a drone mounted with thermal sensors
- **Analysis** of infrastructure and **identification of defects and inefficiencies** that are not visible to the naked eye
- **Data Delivery** within an intuitive and interactive online portal including spatial data and survey analytics



Inspection Dashboard



3D Model in standard view and thermal view



Survey Outputs:

- Inspection of each solar panel at centimeter-scale resolution;
- Identification of malfunctioning panels
- Defects are identified, mapped and analysed:
 - Broken or faulty cells
 - Bypass diodes
 - PID
 - Disconnected panels or string of panels
- A Digital Twin of the solar farm hosted within an online mapping portal, including:
 - 2D maps and 3D models
 - Interactive features and tools
 - Analytics, simulations, financial projections
 - PDF report of the inspection

THERMAL DRONE INSPECTIONS



Why use this Service for your Solar Farm?

- Receive accurate and quantifiable data on the operational integrity of assets
- Timely identification of defects and degradation
- Inform efficient and focussed maintenance activity
- Pro-active approach to prevent decreases in energy yield and revenue
- Inform decision-making throughout the life of a project e.g. ensure complete productivity during warranty period post-construction
- Easily share all interactive data with different teams and stakeholders



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