

# AI

# A1 Predictive Maintenance

## Using Artificial Intelligence

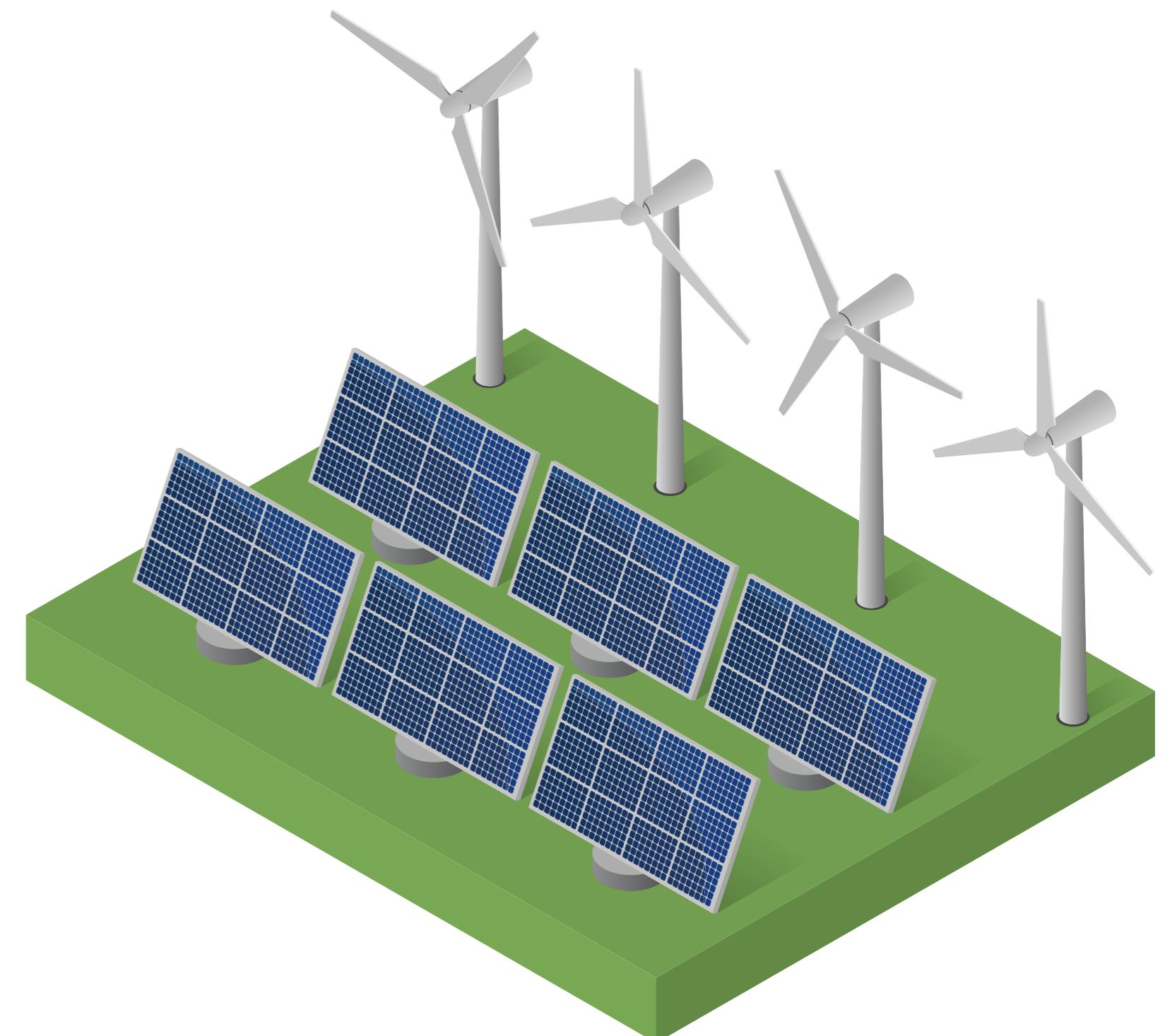
### Challenges :

As renewable energy gains ground against carbon-based energy sources, government subsidies drop and inevitably, margins are reduced.

While renewable energy producers focus on keeping their plants up and running. Planned maintenance becomes a necessary pain (though a manageable one) and unplanned maintenance becomes a considerable disruptor.

This leads to:

- Lost revenue
- Unhappy shareholders
- Increased O&M costs
- Compliance issues
- Unhappy customers
- Unpredicted Health & Safety Risks for maintenance staff



Aqovia is a global digital solutions specialist. Combining elite and cutting edge technologies we provide sophisticated, bespoke transformation solutions to the public and private sectors since 2008.



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AQOVIA 

# AI | A1 Predictive Maintenance

## Using Artificial Intelligence

Aqovia brings artificial intelligence to the rescue with our A1 Predictive Maintenance Module. It looks for predicting disruptive events in your energy production infrastructure and recommends timely, pertinent maintenance tasks.

This reduces the chance of a specific asset/component being taken offline or any unnecessary further wear & tear.

### Features:

We have developed a predictive maintenance PdM module as part of our Artificial Intelligence (AI) Autonomic A1 platform.

The A1 PdM module monitors and interrogates real-time SCADA system data feeds from your renewable energy production operations. It makes informed predictions of potential component failures. Reduces unscheduled maintenance and repair visits.

Furthermore, it checks spare part stock levels. If necessary, orders the required parts and manages supplier level agreement (SLA).

### Benefits:

- Predict maintenance events up to 60 days in advance
- Increase operational uptime by 30%
- Reduce unscheduled maintenance costs by up to 50%
- Minimise asset degradation
- Improve ability to manage your maintenance schedule

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