



ANM ELEMENT[®]

Save money.
Save time.
Save energy.

smarter
grid solutions

The UK is connecting more distributed energy than ever before.

This rapid increase in solar, wind and other distributed energy resources has resulted in new challenges for the grid such as network congestion and curtailment. While many factors may be hard to predict like weather patterns, demand levels and market dynamics, you should be well-prepared by making sure your asset can react to the ever-changing state of the network.

Take back control with ANM ELEMENT[®]

This is an autonomous software solution that gives you real-time control over your distributed resources, saving you money, time and energy.



Facilitates smart, reliable and secure flexible connections to the grid



Manages grid interactions, maximises your exports and earning potential



Removes the need for costly grid upgrades and the time taken to install them



Gives you access to the lowest possible level of curtailment through 'trimming'



UK DNO accepted solution conforming to ENA G100 export limitation recommendations

4 out of 6 UK DNOs use ANM Element as a smarter, more sustainable way to connect.

Maximise your earning potential

Cut connection costs by up to 75%: While firm connections are desirable, availability continues to decrease as the grid can only support a limited number of them before it runs out of capacity. At this point connections no longer become possible without paying for reinforcements, significantly increasing your capital outlay. ANM Element facilitates a flexible connection to the grid, avoiding the need for these reinforcements.

Shared connections: When there is congestion in one part of the network, there may be contracted capacity nearby that is not being fully utilised. ANM Element allows you to connect when there's spare capacity using a behind-the-meter arrangement to facilitate a shared grid connection. This solution allows multiple assets with different export profiles to utilise the same firm connection, making the most of available capacity in that area.

The sooner you connect, the sooner you can generate revenue

Lowered lead times: Waiting for grid upgrades can take years, and paying for them can be costly. With ANM Element you can reduce the waiting time and get up and running within a matter of months.

Automatic reconnections: In extreme cases, when your DER is producing too much energy during a period of low demand and putting the grid at risk, ANM Element will 'trip' your asset from the grid. But unlike other types of flexible connection solutions, it will automatically reconnect the asset as soon as it's safe to do so, minimising potential loss of revenue.

Smart control over your exports

Avoid hard trips: When there's limited capacity on the grid, our software gives you access to the network by using precise curtailment control, trimming the output from your asset only as much as is required and only tripping as a last resort. This system is autonomous, time-bounded and deterministic with no operator required, giving you more control over your exports. ANM Element also conforms to ENA G100 export limitation recommendations.

Schedule control: This enables real-time optimisation of assets, ensuring you're exporting when it's most valuable to do so. You're able to configure your own needs by managing generation export profiles and any type of energy storage system connected at your site, so you can export that stored energy when the network has available capacity, or when demand is at its highest.

Cap your CAPEX. Uncap your earning potential.



65 generators connected to the grid



314 MW of energy controlled in the UK



£100 m CAPEX avoided



6 months average time to connection



177 kt CO₂ avoided

Find out how much you can save with ANM Element.

Visit www.smartergridsolutions.com/element
or call 0141 568 4310 for a consultation.