

ADAS

Harness the power of accurate data



Developed by Anesco for the renewables industry, ADAS is a powerful and essential all in one cloud-based platform that utilises data acquisition, processing, analytics and reporting to drive business growth and support a sustainable planet.

ADAS allows for multiple sources of renewable energy, including solar, storage, hydro, biomass and wind to be efficiently monitored, managed and optimised through a single platform.

It is a critical tool for any asset owner, asset manager and investor who wants to know that each source of renewable energy is being maintained to deliver the best possible return.

Edge Computing and End to End Security

With the rise of the Internet of Things (IoT), and importantly the Industrial Internet of Things (IIoT), ADAS incorporates edge computing, an advanced data driven platform for supporting innovation, by being both scalable and flexible.

The edge computing principles used across ADAS are capable of powering not only real-time data collection, but a gateway to optimised data, delivering superior business intelligence. This sits at the heart of Anesco's machine learning predictive analytics.

Working to the highest IT security standards, ADAS gives a reliable real time insight into asset availability and performance through customisable desktop and mobile dashboards. It is easy to set and view key performance indicators for individual assets, analyse energy production forecasts and availability, even identify where revenue is being lost.

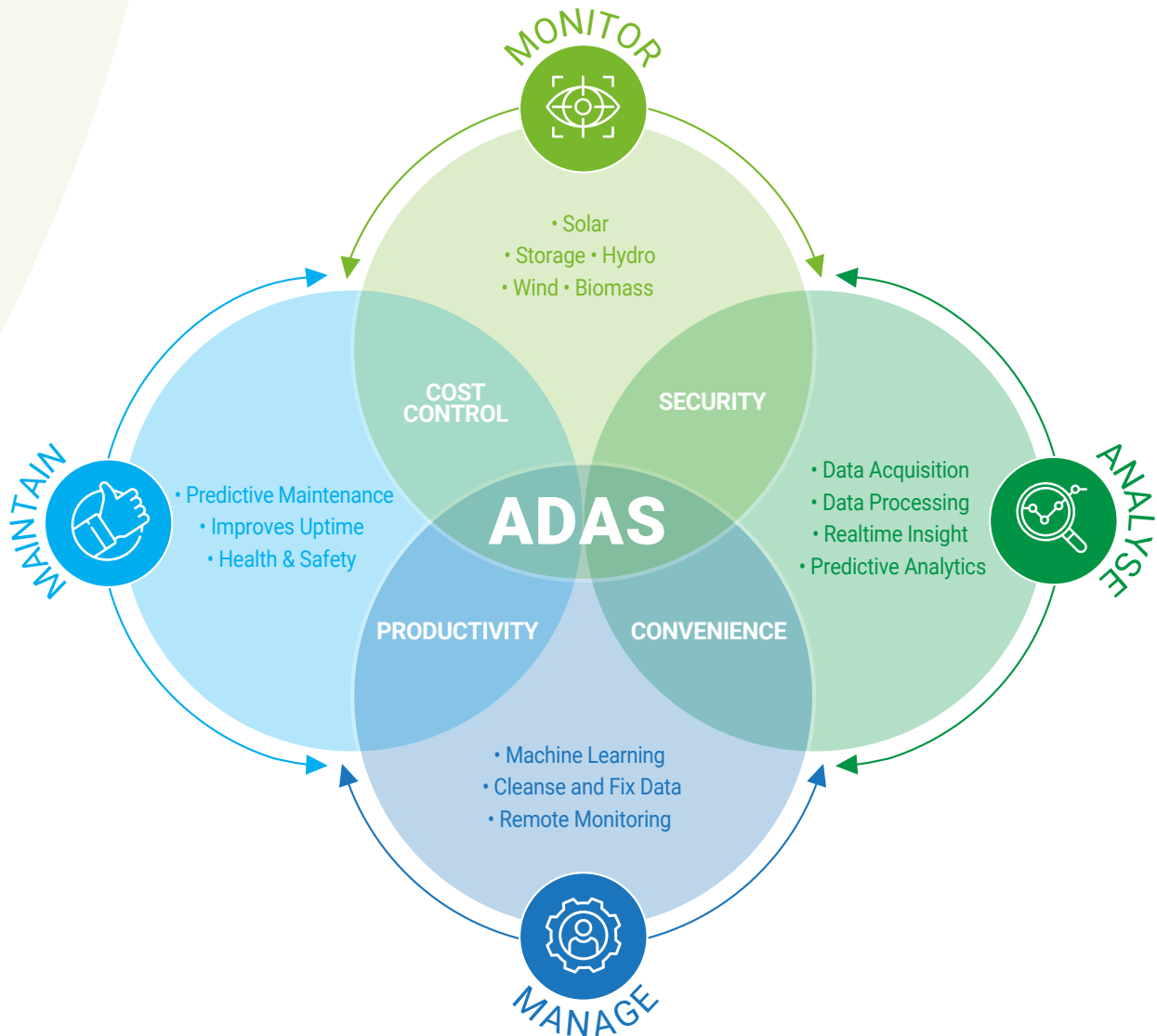
ADAS can be integrated with third party interfaces such as weather apps to enhance energy forecasts and fully harness the power of accurate data, producing comprehensive, customisable, reports that can be shared and reviewed with key stakeholders.

Advanced Asset Management

- Easy to use customisable dashboard
- Full customisable automated reporting
- Rapidly connect and monitor multiple energy devices to the cloud
- Connect third party apps including weather, ERP and databases
- Reduce downtime and costs
- Increase return on investment

In a single platform, ADAS captures and delivers the requirements and criticality of SCADA (Supervisory Control and Data Acquisition) systems with those of DAS (Data Acquisition System) for information, collection, storage, distribution and control services.

The software can monitor multiple plants in real-time, gathering data to provide full visibility of the systems performance and improve the operation and optimisation of the plant. This information is essential for investors and operators to make well-informed decisions.



ADAS uses Machine Learning (ML) technology to cleanse and securely fix inaccurate and missing data, directly interacting with inverters, pyranometers, field sensors and many other components.

Anesco has designed ADAS to seamlessly integrate into an operations and maintenance workflow management system to accelerate preventative and corrective maintenance plans and react immediately to performance degradation, whilst ensuring client service level agreements are met.

By leveraging the power of edge computing, ADAS is providing a depth of insight and control that is critical for avoiding unplanned disruption and downtime in operations. This ultimately cuts cost and increases site efficiency without compromising performance or safety standards, which remain paramount.

Predictive analytics is at the core of the ADAS solution and Anesco's enhanced O&M services.

About Anesco

With just under a GW of clean energy under management and nationwide coverage, Anesco is the largest provider of operations and maintenance for solar and battery storage assets in the UK.

Our clients span investors, corporate companies, government agencies and residential clients.

The company is also responsible for designing, constructing and connecting high performing assets and to date Anesco has built over 100 ground mount solar farms totalling 500MW and have connected 30% of the UKs battery storage. These sites typically perform 6.1% better in yield than competitive sites.

The company is proud of its rigorous onboarding process for third party assets which provides the asset owner with an improvement plan covering area such as health & safety, environmental conditions, compliance and a design for repowering.

Further reading

[The essential guide to derisking solar](#)

[Quickfire guide to solar security](#)



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