

Aurora Software Find unique value on the road to Net Zero

Aurora's integrated software suite empowers you to analyse power markets and assets with unprecedented sophistication and ease, helping you build an edge in the crowded market





CHRONOS The leading battery analytics software, now in Italy

CHRONOS allows you to evaluate any storage asset or project using Aurora's cutting-edge proprietary battery dispatch engine

- Accounts for all site-specific value drivers
- Backed by Aurora's trusted forecasts and team of experts
- Bankable methodology with reliance available
- Intuitive interface that empowers user driven anlayses

Evaluate as many opportunities or scenarios as you require, without any consultancy lead times, for one yearly fee

Bespoke, bankable analyses for your entire portfolio in just a few clicks



Transactions



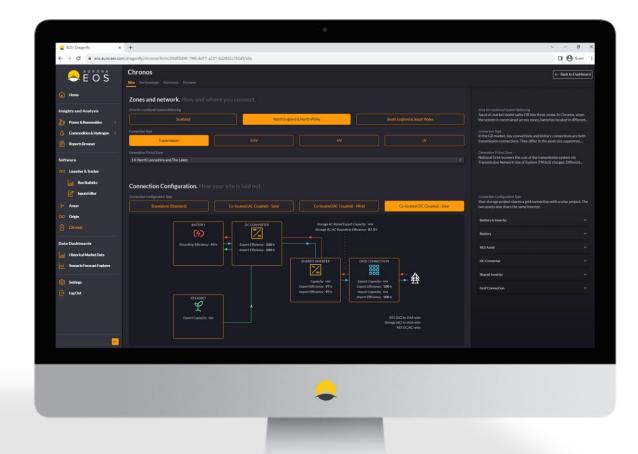
Project Design Optimisation



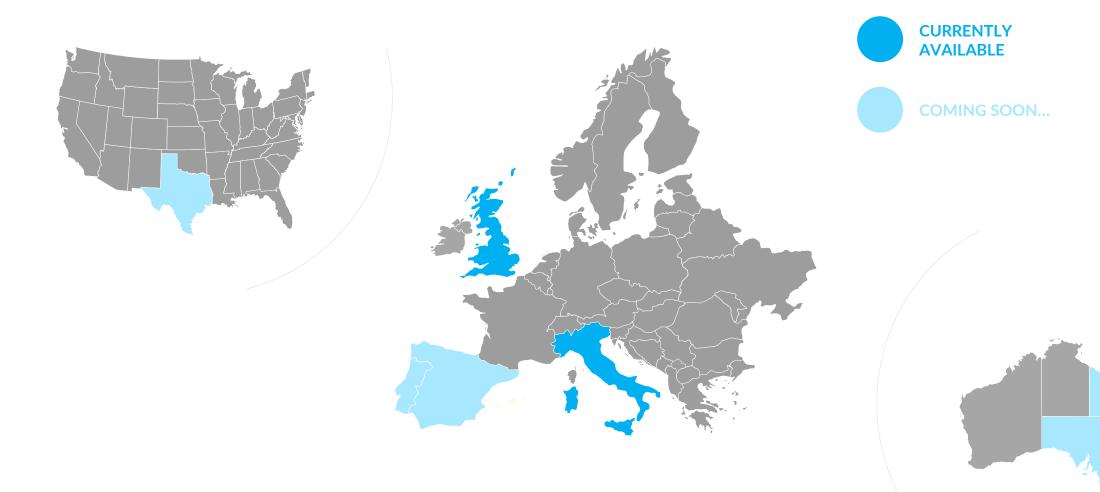
Portfolio Valuation



Optimisation Benchmarking



Where can you find Chronos...



A global benchmark trusted by industry leaders





































tagenergy





















30+ subscribing companies in its first year

Supports 80% of BESS transactions in GB

Underpins major debt financings

Used by leading developers for site selection and optimisation

Simple to use and beats advisory wait times

Underpinned by Aurora's bankable market forecasts used by and relied on by 350+ companies globally

Join the leading companies—contact **Dearbhaile Hunt**, **Commercial Associate – Chronos**, to schedule your free demo: dearbhaile.hunt@auroraer.com

Chronos' simple 4 step process produces consultancy-standard results without the wait time

Input your site settings



Location

Grid connection type

Project configuration and project sizing, including co-location with other assets

Input your technology settings



Duration

Roundtrip efficiency

Cycling constraint

Degradation

Repowering strategy

Select your market scenario



Aurora market scenarios

Business model, including locational system balancing Commercial operations date

Analyse results



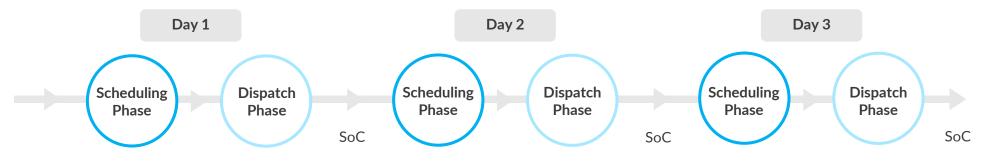
Margins by market

Cycle count and degradation

Summary of all inputs

Aurora's battery dispatch model Chronos for Italy optimises daily between the Day-Ahead and MSD markets to profit from arbitrage

Chronos is solved in **blocks of 1 day** (24 hours), determining all actions for each block before moving onto the next block. Each block is solved in two stages:



SCHEDULING PHASE

Outputs:

Day-Ahead wholesale market positions (at hourly granularity)

Method:

The Scheduling Phase is solved with an optimisation approach, with up to 32 hours foresight of remaining prices (for Day-Ahead only). Participation in this market also accounts for the opportunity cost of participating in the MSD. Opportunity cost is influenced by an imperfect foresight over a limited number of upcoming MSD prices.

DISPATCH PHASE

Outputs:

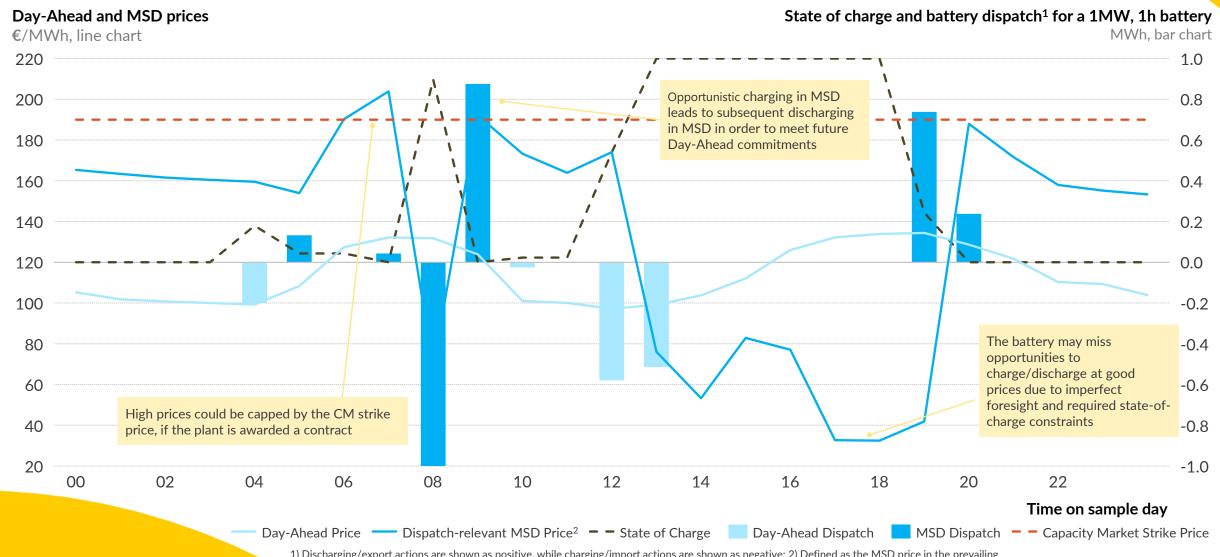
- Final positions in all markets
 - -Fulfilment (or nonfulfilment) of Day-Ahead commitments
 - -MSD charging/discharging
- End-of-day state of charge

Method:

Day-Ahead commitments are fulfilled first (subject to state of charge conditions). MSD actions are determined using a heuristic price threshold approach based on upcoming Day-Ahead prices. No direct foresight over the upcoming MSD prices is assumed.

Example of modelled battery

Asset is optimising to price movements, but could miss out on some prices due to imperfect foresight



Try out Chronos on your project

Book your free demo today!

Explore how your business can benefit from **Chronos** and its battery valuation potential. Book your introductory walkthrough either online or in person.

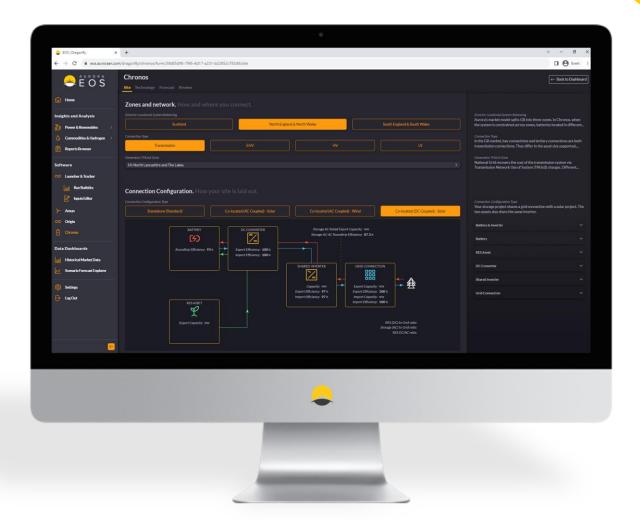
Reach out to us now:

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7 CHRONOS



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