

Impact of Einsman on Intraday Market

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Genscape provides Business Insights for the global energy markets

- Genscape is a leading global provider of fundamental information and business intelligence for energy and commodity markets
- Comprehensive fundamental datasets, unique real-time data, and powerful analytical tools – enabling clients to do the right choice



- Founded in 1999 in Louisville KY
- 2002 – NWE 2007 – CSEE 2014 – Japan
- 400+ employees
- Global office locations
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 - Europe - Amsterdam, Hamburg, London
 - Asia – Singapore, Tokyo
- More than 650 customers globally
 - Utilities | Retailers | Traders | Government | Financial Players

Genscape is one of a group of business-to-business companies within the Daily Mail and General Trust PLC (DMGT).

The market capitalisation of DMGT is £2.3 billion.

DMGT

Einsman-caused imbalance is best resolved on Intraday market- need for line flow transparency



Einspeisemanagement



€€€
Imbalance



DIREKTVERMARKTUNG (DM)
BILANZKREISVERANTWORTLICHE (BRP)

epexspot
INTRADAY
Time constraint

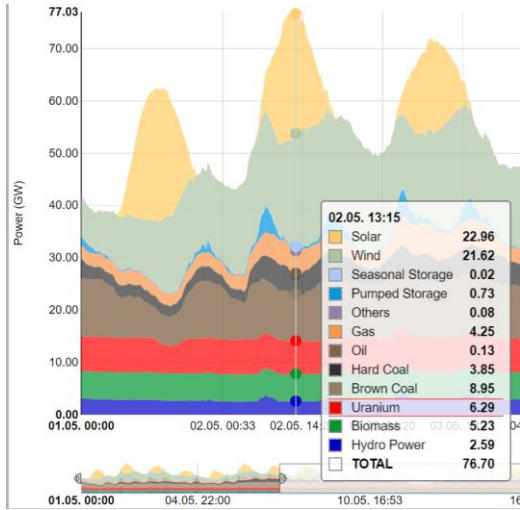
REGELLEISTUNG.NET
(€ € €)

GENSCAPE®

Real-time line monitoring

What numbers actually show: May 2nd case study

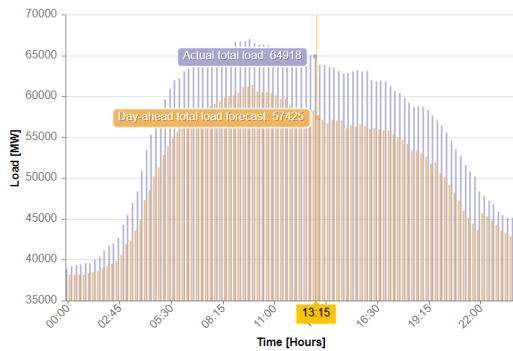
Generation supply on May 2nd



Line Congestion during 13:00 on May 2nd

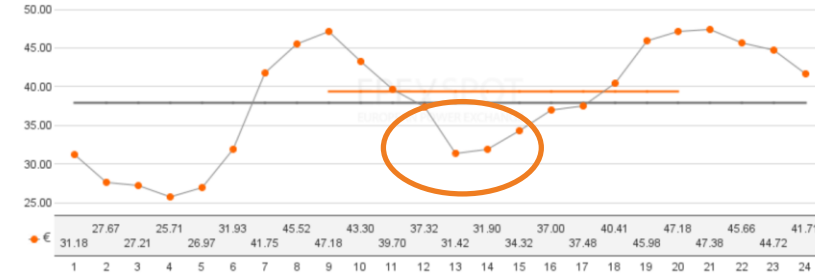


Load DA forecast & actuals on May 2nd

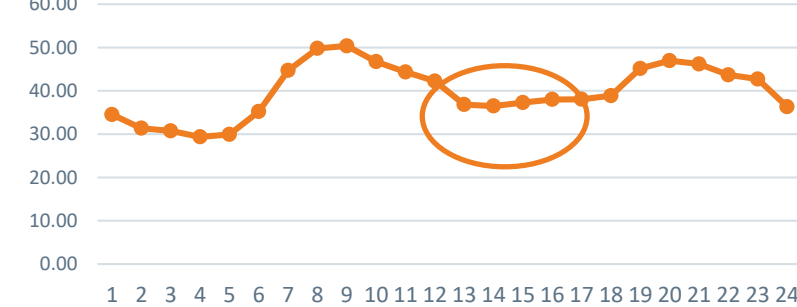


- ~3,000 Einsman by Schleswig-Holstein
- ~1,000 Einsman by E.DIS

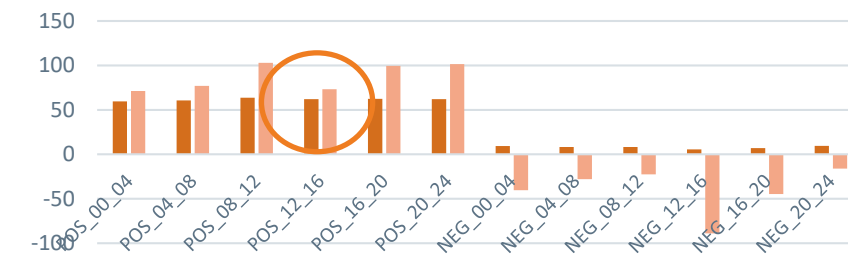
Day-Ahead auction price, €31,42 at 13:00



Weighted Average Intraday Continuous, €37 at 13:00



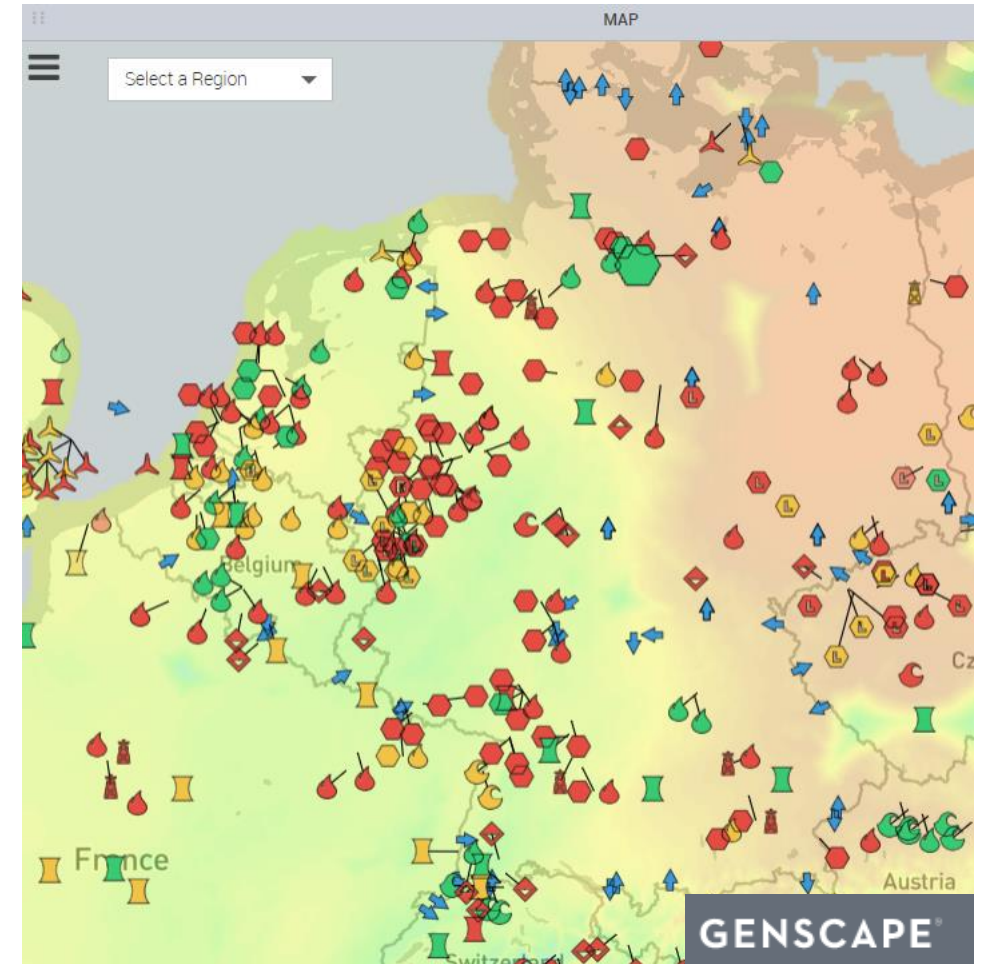
Average cost of balancing energy, €62 SR, €73 MR



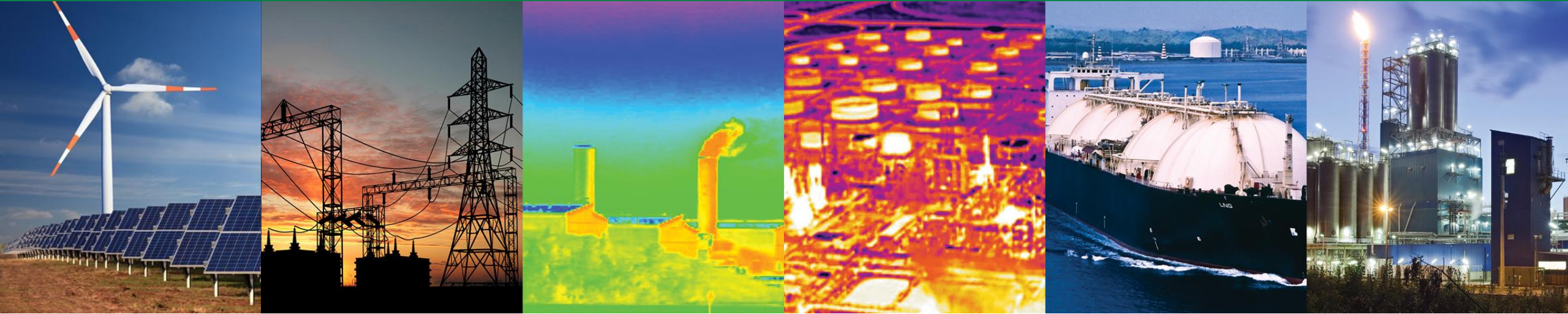
Sources: 50Hertz, E.DIS, ENTSO-E, EPEX Spot, Fraunhofer ISE, Regelleistung.net, Schleswig-Holstein Netz

What to do about it?

- Based on **§ 13 Act on Electricity and Gas Supply** “In the case of a necessary adaptation of power feeds and power take-offs, the affected operators of electricity distribution grids and electricity traders are to be informed in advance, as far as possible.”
- In reality this happens very close to physical delivery – too late for Intraday market
- DMs & BRPs need earlier indicators for Einsman to mitigate the impact using Intraday
- Existing data providers deliver Einsman forecast driven by weather/renewables forecast; while helpful, does not provide visibility on the actual line congestion
- Genscape can provide real-time view on line flow for accurate and timely imbalance management caused by Einsman measures



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Thank you!



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