

Produktionsplanering och optimering – Utmaningar och möjligheter

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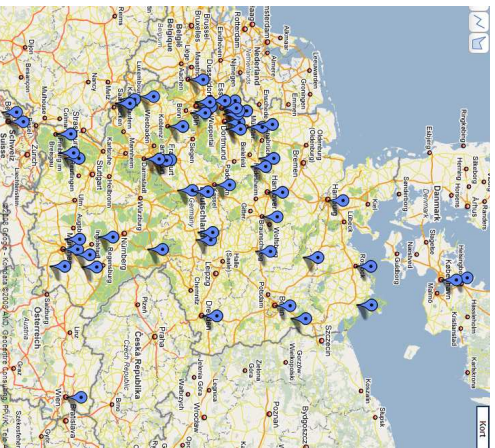
Contents

- **The challenges in relation to production planning and optimization**
 - Planning situation is getting more and more complicated
 - Timepressure
 - Increasing business challenges

- **How do we handle these challenges?**
 - Automate, integrate and organize to reduce mistakes
 - What has other energy companies done to deal with these challenges?

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About ProCom



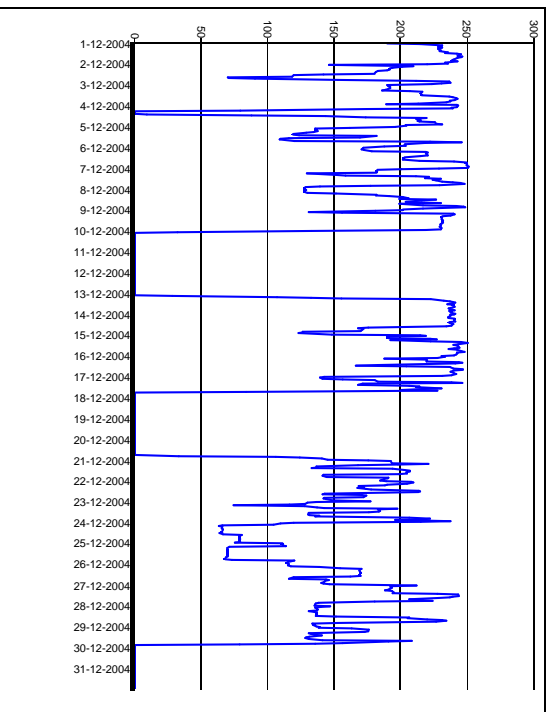
Vision

We make it possible for energy companies to do the best production planning.

We do this by offering the leading production planning solution based on BoFIT.

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Production Planning in Practice: It is definitely not simple



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Production Planning: Impact of deregulation

Impact of the deregulation of energy markets

- From **minimising cost** of delivery to **maximising profits**
- **New markets** have emerged – spot power, CO2, biomass etc.
- **Volatile** product and fuel prices

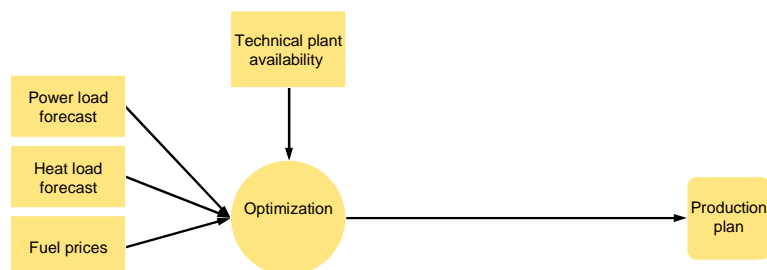
Consequence

Production planning has become more complex and more important.

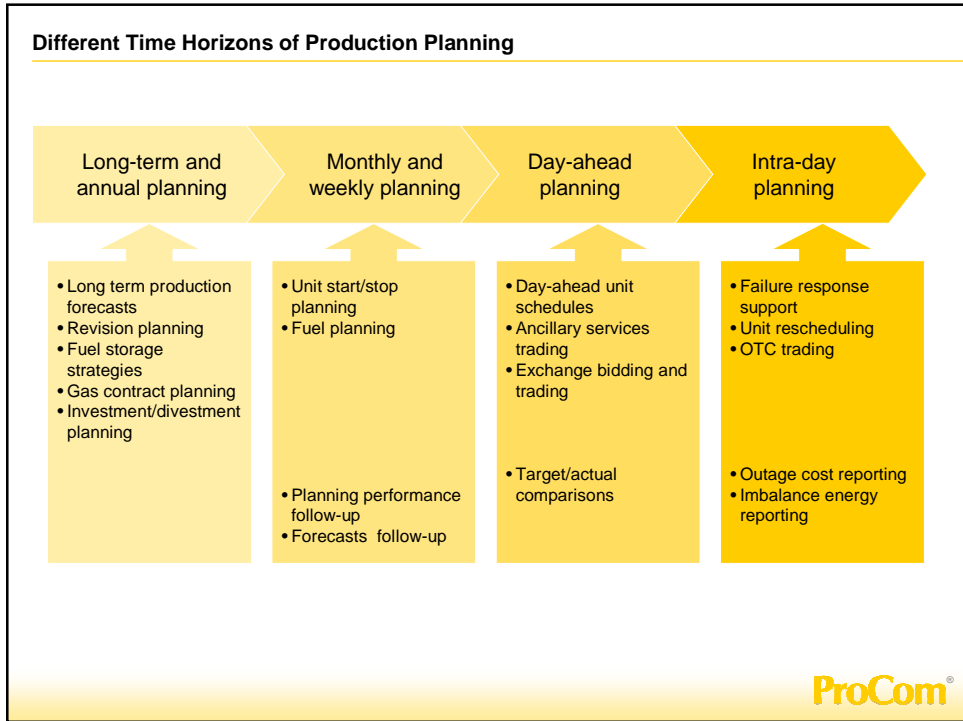
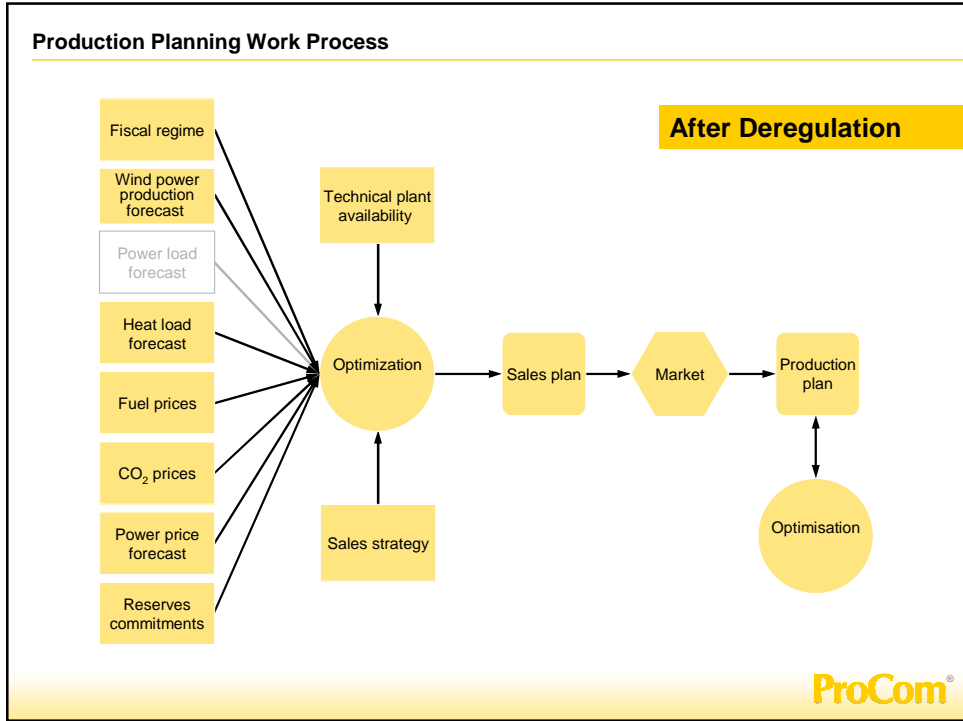
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Production Planning Work Process

Before Deregulation



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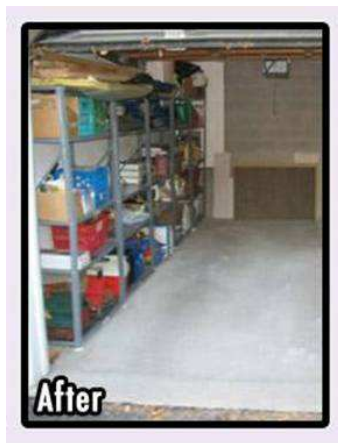


Does your production planning look a bit like this?



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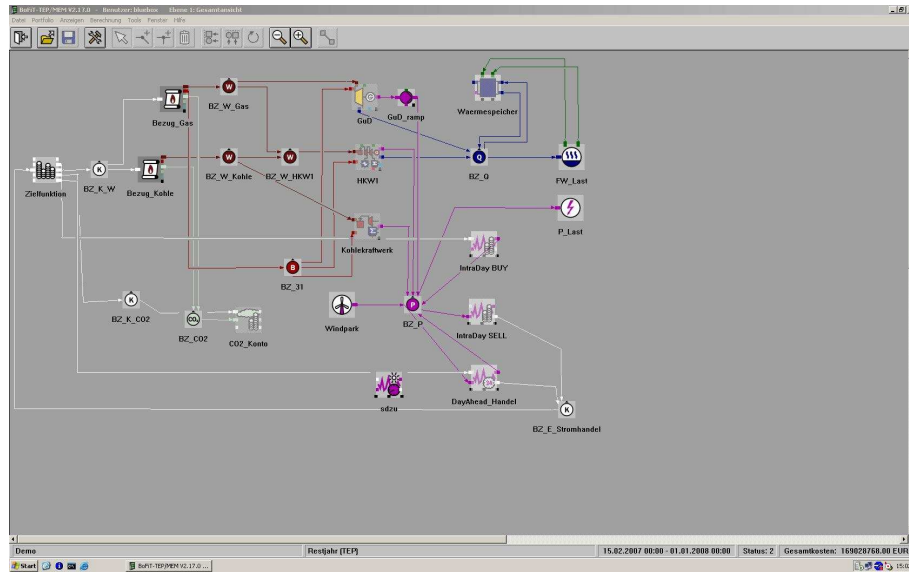
The Solution



- Organize
 - Business processes
- Automate
 - Data transfer
- Integrate
 - IT systems

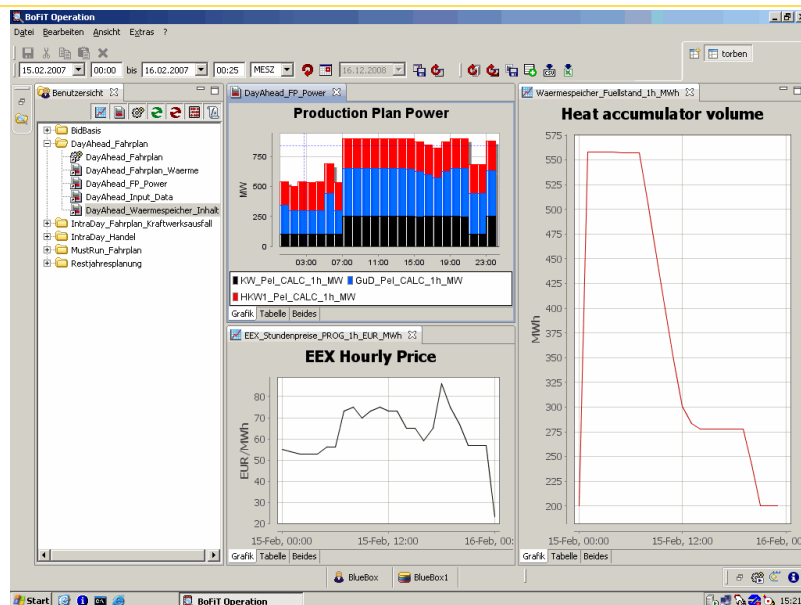
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Modelling technical components and commercial contracts



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Organize your information



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Conclusion

- **Reliability** Reliable and stable planning leading to lower risk of errors
- **Transparency** Transparency of system secures trust in solutions
- **Automation** Automation reduces manual work and leads to improved business processes and planning results
- **Consistency** Integrated system secures consistent planning

- **Improved market focus**

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Achievements and Next Steps

- **Achievements**
 - No market failures leading to blackouts
 - Good it-systems for optimization have been developed
 - Production planning has become a commercial core competence

- **Next steps forward**
 - Facilitation of process execution
 - Increasing traceability
 - Securing process quality

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Conclusion

- Production planning has come a long way since the days of the regulated energy markets
- In the last years, focus has been on developing tools that can support production planning from an engineering point of view
- The next steps are to facilitate the integration into daily business operations with increasing amounts of inputs and handling a multitude of scenarios.
- The true challenge is to exploit the full potential of a production planning solution!
- Thereafter: Deal with uncertainty ?

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