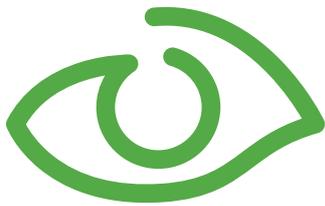# Complete overview of all processes

Process optimization is one of the main objectives in Ølgod with the increased efficiency resulting in low heating costs for their customers. The main tool in that process is IGSS. At Ølgod IGSS is operated via Tablet PCs, which according to the engineer increases flexibility and completes the entire solution.

Solution:
IGSS Version 9

System Integrator:
Dansk Automation og Analyse

Data:
- The solution covers three systems for water, heating and a CHP respectively.
- A total of 1,972 objects are linked to the solution.
- Ølgod Tekniske Værker supplies 1,630 households with district heating and 2,050 with water.
- IGSS is operated via Tablet PCs at Ølgod Tekniske Værker.

Ølgod Tekniske Værker has used IGSS to improve and streamline the operation of their water and district heating production for many years.

- IGSS provides us with the overview, tools and history required for us to continuously optimize our processes and improve the services for our customers, says engineer at Ølgod Tekniske Værker, Henrik Linding Jessen.

- We have graphs for everything that inputs to IGSS and we use the graphs almost every day to trim our processes and obtain a better and more consistent production. This benefits us and our customers both.

The challenge
The Engineer at Ølgod Tekniske Værker wants to optimize everything to the smallest detail - at all times.

- If we are to optimize our processes and our services, we must have overview and insight and the possibility to go back in time to analyze historical data, says Henrik Linding Jessen.

Ølgod Tekniske Værker has always been at the forefront of IT, so when a more centrally controlled management of the operation was

Interactive Graphical
Scada System

"IGSS gives us the overview, tools and history, it takes for us to continuously optimize our processes and improve services to our customers."

Henrik Linding Jessen,, Engineer at Ølgod Tekniske Værker

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The flexibility and user-friendly graph functionality were a couple of the things that made Ølgod Tekniske Værker chose IGSS.

required in the late nineties, it was natural to look for a new SCADA system.
- The possibility to look back at historical data was important for us in order to improve our operation and hence service to our customers.
What happened prior to a given alarm? What was the temperature? And the pressure? And how did it look last year at the same time? Is there perhaps a connection?

The solution
- We tried three systems out before choosing IGSS and we have never regretted our choice. The fact that IGSS was recommended by our IT supplier Dansk Automation & Analyse was a positive influence, but there was never any doubt that it was the best system for us, says Henrik Linding Jessen, who highlights the flexibility and user-graph functionality as some of the things that made him chose IGSS.
- In our old system, all graphs were predefined and could not be changed. Today it only takes five clicks of the mouse to create a graph that displays exactly what we want. And a graph is an incredibly good tool to create an overview of some otherwise unmanageable data.
- We wanted a centralized and unified management and supervision and that is what we got.
We have focused on supplying IGSS with as much operational data as possible. This results in easier access to a quick overview and the ability to remotely control the plant, which we today do through our Tablet PCs.

- Prior to implementing IGSS, we had to manually start the pumps, boilers and so forth.
Today, the four operators who take turns at handling the unmanned operation can remotely control all the work from where they are at any given time. Of course there are still some alarms that require our physical presence, but not many.
 - We had been searching for an optimal remote control tool and now we have got our new Tablet PCs. We carry them with us everywhere, and it feels almost as easy and natural as using the remote for our television at home, says Henrik Linding Jessen.

The result
Switching to IGSS immediately resulted in the expected overview of the operation and services.
- Increased understanding of the processes has enabled us to make continuous improvements and streamlining, which has resulted in significant resource savings, and improving our delivery and our bottom line results, says Henrik Linding Jessen.
- One of our primary tasks is to reduce the price of heating as much as possible. For that to happen, we continuously purchase the tools required. IGSS is one of the tools that have helped us a lot in the process.
- It is IGSS that enables us to understand the big picture as well as the small details and it is IGSS that enables us to continuously trim and optimize our boilers and all our other processes.
- In short, with IGSS we can produce more heat at a lower price.

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