



Savantic AB

Customer case: AGA

– Actually it was one of our clients who first suggested that AGA should make further developments to the code used for controlling the large furnaces, says Tomas Ekman, development engineer at AGA AB. He has been working together with Savantic in a number of research and development projects. His first contact with Savantic was when the company was just started and they proved to be exactly the kind of partner that AGA needed to take on the work of improving the control code for the furnaces used in the steel industry.

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The furnace environment is dynamic; many parameters influence the final result. The code that used to be used for controlling the furnaces wasn't flexible enough, and some clients had a feeling of the furnaces being run a little haphazardly. To be able to optimize productivity and quality, we needed a model able to simulate what was going on inside the furnace. Not until then would it be possible to improve the code, and hence improve the power consumption and quality levels.

Tomas Ekman has felt confident working with Savantic from the outset:

– They have the ability to understand what my difficulties are really about, and then to turn this understanding into calculations that are physically plausible, he says. And they are good at programming as well. That is a hard to beat combination!

– I have a lot of ideas about how I want things to work, and I feel Savantic always understand how I want my ideas to be turned into something that is useful to our customers. And they understand that we are not supposed to be doing everything that *can* be done, we only do enough for our clients to get the best possible product or service. That is

something very important, and something that I appreciate very much.

– There are many advantages to hiring an external R&D department, Tomas Ekman says. Even though AGA have their own research and development staff, sometimes it can be difficult to free up the necessary time from these resources. By employing

an external vendor we also benefit from their experiences from other projects, for other clients, with different ways of thinking

and we get input from other fields of interest.

The development of the simulation model for the furnaces is an ongoing process and the model is being continually tweaked. The furnace control system is a complex one and calculations are on a massive scale. But Tomas Ekman knows that he can trust Savantic with his research work and see it turned into business value, both for AGA and for their clients.

– In short, I know I can always rely on Savantic's ability to understand what it's all about, says Tomas Ekman.



*Tomas Ekman, development engineer at AGA AB.*

Savantic offer cutting-edge solutions within image analysis, AI, physics and environmental technology. We offer business solutions based on research knowledge. With our background in research, our extensive industry experience and our genuine competence, we are experts at solving complex problems, creating business value for our customers. We use our unique process for making research results available for commercial applications.