



Steel-doors in the best quality

DAN-doors A/S supplies more than 500 high specialized doors in acid-proof stainless steel to the big project Amagerværket in Copenhagen.

Behind BIG's high profiled garbage incinerator with ski slope on the roof, Amager Bakke, lies HOFOR's even bigger facility Amagerværket. The CHP plant, which provides district heating to 500.000 citizens in the capital area, will in these years go through a bigger modification, there among other things the supplement of a biomass fired power station block called BIO4. Gottlieb Paludan Architects is architects on this big project. Door- and gate manufacturer DAN-doors provides over 500 high specialized doors to the project.

- We got involved in the task through the architectural firm Gottlieb & Paludan. We had representatives from both them and HOFOR over a whole day in our headquarter in Stilling near Skanderborg where we also have a comprehensive showroom. We told about our skill-set and discussed the demands and solutions to the project, it ended with the solution that we got the project, says Per A. Pedersen, who is Group Sale & Marketing Manager at DAN-doors.

The firm has since 1983 produced and sold high specialized door- and gate solutions to primarily the food industry in Denmark, Sweden and Norway, but today they sell to many other industries, who has a requirement for custom-made doors and gates in stainless steel. Furthermore DAN-doors has gradually exported to more than 100 countries all over the world and is now considered an international orientated company.

Over 500 doors and gates

- We have already been well under way with the project in a year and it will at least take about a year before the construction is complete. We provide over 500 doors to among other the new CHP plant and the classification plant. We have a lot of different solutions, where hardly two doors are identical. Here, we talk about 1-leaf steel doors to your production and very big 2-leaf doors in to turbine rooms and high voltage rooms as well. The doors are up to 3 meters wide and 3-4 meters high. There are also very high demands to the safety on the plant as well, so almost every door should have a motor lock for access control, says Per A. Pedersen.
- We use one of the highest qualities in stainless, acid-proof steel Aisi 316. It's the same quality people use offshore because the plant is so close to the water and because the climate inside the building demands it. We use the quality steel not alone to the actual doors, but also to all the accessory parts, hinges, door handles and lock cases. There are



high fire demands as well to almost every door which follows the newest European standards. Some places where there is a risk of explosion, there are standards as well to pressure certification of the doors, some for example could handle a pressure at 2.000 kilo and there are obviously strict demands to the noise reduction for the sake of the staff, explains chief consultant Peter Dybdal from DAN-doors.

The centre of rotation in Denmark

- The architects have a lot of requests to special details and solutions, based on their experiences from other CHP plants and the architectural consideration. Those requests will we fit into with our own engineers and constructors in our suggestion to solutions. Some of the solutions takes basis in our standard-doors, but a lot of them are so special that you no longer can see them as standard off-the-shelf item, relates Per A. Pedersen.

- The actual production to this project takes place with our partner in Estonia, they have an enormous and modern production machinery which you can't find at any manufacturers in Denmark. We have been working together with them in over 7 years, where we have shared know how, and they are now immense skilled for making steel-doors in "DAN-doors quality". When we receive descriptions and demands for the individual door from the owner and architect, then we will devise the drawings and find the exact practical solutions at DAN-doors. The centre of rotation for our company is in Denmark, where we have all our know how about the products and not least the expertise to manage big projects like this. Now we are working with projects like the huge hotel 'The Hub' in Oslo which has more than 800 rooms and Campus Ås, which is a veterinary folk school in Norway with an extreme big amount of different solutions. The main part of our shipment and products will be manufactured at our factory in Denmark, but the cooperation with the production partners in Estonia, Belgium and England gives us a much bigger range and flexibility, when we provide complete project solutions to our customers, explains Per A. Pedersen.