

## User report

### “No Forklift is faster than these Doors”

**Alstom Power Systems GmbH uses Efaflex doors for standardised measurement temperature**

**Alstom Power Systems is a global leader in the construction of entire power stations and their components. Precision is essential, particularly in terms of turbine assembly. To keep a consistent temperature in the halls without increased energy consumption, Alstom decided to use rapid action doors from Efaflex to modernise their production.**

“Cast parts very quickly change their size in differences of temperature,” explains Ewald Felbinger. He is responsible for the field of building technology in the Infrastructure division. “For this reason, a constant temperature of 21 degrees must be maintained. We cannot afford to open two doors at the same time, as we would immediately have a draught, which would cause too great a temperature difference. In addition, welding cannot be carried out in a draught.”

For this reason, some of the total of 53 Efaflex doors are already integrated into gating solutions. In those places where gates are impossible for structural and production reasons, the rapid action doors ensure that the halls are only subject to cold air, or too warm air in the summer, for very short periods of time. According to Rolf Linke, the rapidity of the doors is important. In the Infrastructure division, he is responsible for the maintenance of all electrical systems. “In the production department, we have doors which have to complete about 250 opening cycles per day. With other doors, it would be constantly cold in the production areas during the winter.” The rapid doors are no problem for forklift drivers. “There is no forklift that is faster than an Efaflex door.”

After the planners at Alstom had researched with several door manufacturers, the decision was made for the Bruckberg-based specialists and their rapid action industrial doors. As well as the sales team and customer service, Alstom has a direct contact in the factory, which makes work noticeably easier.

“We worked together on the special task, and Efaflex further developed certain door solutions for us,” reports Ewald Felbinger. One requirement of the Alstom technicians was frame covers, which can also be opened by the in-house technicians. “Efaflex completely implemented all specifications and became familiar with exactly what was important for our production department.”

In the halls, where there is lots of cross traffic in front of the doors, contact loops are replaced by the EFA-SCAN ® laser scanner. The scanners detect considerably faster when the door must be opened and leave the doors closed to cross traffic.

Ewald Felbinger and Rolf Linke have a very good relationship with the Efaflex technicians. “With so many doors, problems can always arise,” says Rolf Linke. “Together we have learned how to rectify problems. When we try out something new, I am always excited about what can be done with the door controls.”

The technicians and planners at Alstom also know that they can rely on their door suppliers in the future. This is important for a global company that offers such specialised products. With integrated power station solutions and an extensive range of innovative, efficient and environmentally friendly power generation equipment and systems, Alstom is among the world leading suppliers of state-of-the-art power station technology for virtually all energy sources. The product range also includes components for energy transfer, for example, from offshore wind farms.

Alstom is also among the world leading complete service providers in the field of transport engineering and railways services. One of four U-Bahns and every third tram is produced by Alstom. Regional railways, locomotive engines and the TGW round off the portfolio.

8,000 employees work at 24 locations in Germany. The corporation employs 93,000 people worldwide. Gas turbines are assembled for power stations at the

site in Mannheim. Alstom Germany also produces subsystems and components, such as plastic components and pivot mountings, for the German and foreign market.

The company offers services, such as repairs, maintenance, replacement parts and on-site servicing as well as market-driven renovations and modernisations for all products. One more reason to expect uncompromising services from its partners and suppliers as well, like Efaflex. Ewald Felbinger summarises, “In terms of technology, the doors are already first-class. But the reliable service puts the icing on the cake for what we intend to be a relationship spanning many years.”

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