USER REPORT

**A third less energy costs thanks to modern doors from EFAFLEX**

Jihostroj, the largest Czech manufacturer of hydraulic systems and aircraft instruments, saves 35 percent energy by installing EFAFLEX high-speed doors

**Where high-quality components and assemblies for aircraft engines are manufactured, absolute precision is essential. And at Jihostroj Aero Technology and Hydraulics in the Czech town of Velešín, this precision begins with a constant temperature in the production areas. In order to guarantee that the materials to be processed are not exposed to heat fluctuations, a lot of energy is required. In order to keep costs at an affordable level in times of extremely rising prices for electricity and heat, the company concentrated on an energy-saving concept. Part of the realization of this project consisted in installing eight EFAFLEX high-speed doors in the production hall in Velešín.**

“All companies have to react to rapidly rising energy costs. We therefore decided to convert the existing production hall. The building facade was insulated and EFAFLEX high-speed doors were installed at the entrances. We have had many years of positive experience with these doors in other factories in our company,” reports Jan Kříha from Jihostroj. “The conversion has paid off: the energy savings have exceeded our expectations – we now have 35 percent lower costs. Another added value is the high-quality design of the doors.”

**New savings concept: insulation and fast doors**

Components for the aviation industry are manufactured in the production hall in Velešín. The production hall received 12 centimeters of insulation, new cladding and the roof was

newly covered. The entrances to the hall were also changed: in the past there were only normal metal doors through which equipment was transported and employees could enter the hall. That changed during the renovation. In addition to the newly installed staff access, four insulated EFAFLEX high-speed doors EFA-SST® were installed in the company building. By installing the new doors, building openings could be reduced to current requirements. The creation of separate entrances for the employees now also increases occupational safety, since pedestrian and vehicle routes are separated from each other. Unnecessary manual opening and closing of the door is now also a thing of the past.

**Durable and fast**

The high opening and closing speeds, which reach up to 2.5 m/s, play a major role in saving energy, because the faster the doors open and close, the less heat escapes from the halls. They are therefore economically advantageous and also have a significantly longer service life compared to sectional doors. Their 250,000 cycles per year equates to hundreds of openings per day.

**Better working environment and faster logistics**

But those responsible are not only satisfied with the energy savings after the conversion in Jihostroj. The reorganization of the interior and the installation of four EFA-STR®-L high-speed doors have improved the working conditions of the employees. Because the quick opening and closing of the doors inside reduces drafts and thus increases comfort in the workplace. Logistic processes also run more smoothly now.

**Induction loops for more work safety**

In addition to savings, the redesign also considered increasing safety. Therefore, apart from the construction of separate access points for staff, induction loops were installed in front of the high-speed doors. They are embedded in the floor in front of the doors and guarantee that the doors only open when the transport vehicle drives into or out of the hall. They do not react to normal traffic in front of or behind the door and thus prevent unnecessary opening.

**Company information EFAFLEX**

*EFAFLEX produces high-speed doors for industrial applications. Founded in 1974, the company works for clients from industry, trade, food production and the chemical and pharmaceutical sectors, among others. As the only manufacturer in the field of high-speed industrial doors, EFAFLEX is listed in the world market leader index and is therefore one of the 461 top companies in Germany, Austria and Switzerland. The family company employs more than 1,400 people worldwide. With its headquarters in Bruckberg, Bavaria, EFAFLEX is firmly anchored as the largest employer in the region. In addition, the company opens up international markets with ten subsidiaries on five continents. EFAFLEX generates more than 60 percent of its turnover abroad.*

**Press Contact at EFAFLEX: Editor:**

Ms. Jasmin Jobst LINK Communication

Tel.: +49 8765 82-525 Ms. Ariane Müller

Email: Jasmin.Jobst@efaflex.com Tel.: +49 5123 4078008

Web: www.efaflex.com Email: Info@link-kommunikation.de