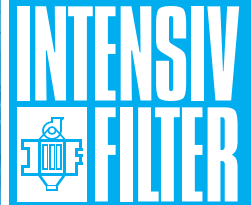


Info-Flyer

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Information for customers and employees



90 years Intensiv-Filter



Intensiv-Filter celebrates its ninetyeth anniversary on the 10th of March, 2012. Founded in 1922, the company succeeded for decades with a special passion for plant engineering and the newest technologies in building up a high-class reputation as one of the leading manufacturers in the field of filter plants and dust removal systems of world rank.

Theodor Hansen stood at the beginning of the company's history. He founded in Wuppertal a small craftsman's business in which he developed and built filter plants made of wood. Especially in the coal and steel industry of the close Ruhr area the dust emissions could be reduced significant by the dust removal systems developed by Theodor Hansen. Today exists no branch and procedure-technical process in which dust removal solutions of Intensiv-Filter do not find a use.

In winter, 1930/31 the fast growing company moved to the area of the former national railway repair works in Velbert-Langenberg. In 1940 a branch, which got lost during the Second World War, was established in Katowice to care for the industry of Upper Silesia and Saxony. The partial destroyed factory buildings were rebuilt after the war in Velbert-Langenberg and the area of the national railway with a length of nearly 500 m and a total of 33,000 sqm including own siding tracks was bought. In 1973 the Coanda-injector was patented. With it the foundation-stone was laid to re-

move the mechanical cleaning of the filter media used till then by the substantially more efficient cleaning by means of air pressure. This development was a ground breaking course for the next decades and is an essential milestone in the development of the company to till this day continuing technological innovations for energy-efficient filter systems.

Intensiv-Filter can look back besides this very interesting and technical innovations larded company history at about 25,000 installed filter plants. The dust removal plants are in use in the ore dressing in the Antarctic Ocean, with the Swedish road construction, on Polish shipyards, in cement works, fertilizer works and asphalt works of the Mid-East, with the magnesite production in the Aegean Sea, with the milk powder production in New Zealand or in South African diamond mines. Already in 1963 the most immense filter plant with 130,000 m³/h volume flow and built till then in Europe was installed south of Paris. Nowadays filter plants up to 3 million m³/h volume flow are no rarity.



Also in the future Intensiv-Filter will remain a family company which will continue the tradition of high-quality filter plants successfully. Today's CEO Frank Schimmelmann adds: "Intensiv-

Filter has mastered nearly one century through difficult times and can look back at a unique successful history. This is above all also to be owed to the richness of ideas of the founder Theodor Hansen and the engineer Dr. Heinz Meyer zu Riemsloh, the energy and the persistence of the following generations as well as the vision of the shareholder family. We are looking forward to the future. A long term oriented company strategy and the everyday aim is to assure our customers that performance, quality and innovations are the main issues of our company politics". de and is present by subsidiaries and representations in more than 14 countries.

Filtres Intensiv moves into new rooms



For almost one and a half years it was worked on it, now it is finally ready: The new administrative building of Filtres Intensiv. The new building in the industrial area „Ecopole“ in Bouzonville substitutes the former location in the city centre of Bouzonville. Since its foundation in 1958 the company was resident there. The employees appreciate the modern and top equipped new domicile with redesigned workplaces. From there it is worked furthermore on the continuous growth of the company.

At a small thank-you celebration with the management and all partners the administrative building was inaugurated worthily.

However, a move also brings something in changes with itself. Now the official address is: Zone Ecopole, route de Sarrelouis, F - 57320 Bouzonville.

New Head of Sales at Intensiv-Filter

At the beginning of the year Jörg Baldauf took over the sales management of the system manufacturer of filtering installations. The 47-year-old mechanical engineer has a 20-year-old experience within process technology. During his professional career he took over different functions within sales and distribution. Within Jörg Baldauf's last position as Head of Sales, he was responsible for constructive explosion protection and for the construction of pressure shock resistant silos. At a specialist for drive systems in the cement industry he was employed as Area Sales Manager China.



Frank Schimmelmänn, CEO of Intensiv-Filter: „With Jörg Baldauf we have created the optimum conditions to develop our business further internationally and strategically. Beside the competent process experience, particularly in the area of explosion protection and secondary fuels, we also profit from his valuable experiences in the food and beverage industry. Thus we can accelerate our product and service portfolio in the different target markets“.

Common bag filter for Ciment de Siblinge

Ciment de Siblinge is the third largest clinker and cement manufacturer in Lebanon. The plant has an annual production capacity of 12 thousand tons of cement and operates two dry process kilns. For energy saving and utilization of grate cooler waste gases for raw

materials drying, the company decided to replace the existing two separate dedusting systems – a multicyclone on the cooler exit and an ESP for mill and preheater kiln gases - by a new common bag filter. This bag filter will dedust both the kiln/raw mill gases and the clinker cooler excess air.

Intensiv-Filter received the order for the turn-key supply, including complete engineering, supply of mechanical and electrical equipment, assembly, commissioning, final inspection and approval of the plant.

The filter of the series type ProJet mega® will be arranged as a double-row filter. After the disassembly of the old ESP, which will also be carried out by Intensiv-Filter, the filter will be installed on the existing footprint of the old ESP.

The volume flow amounts to max. 310.000 m³/h a.c. at a dust load of 33 g/m³ n.c. To reliably clean the raw gas at a maximum operating temperature of 200 °C, the ProJet mega® bag filter is equipped with filter bags made from fiberglass fabric with PTFE membranes. The bag length amounts to 8 m. The patented cleaning control system JetBus® controller with the pressure-controlled cleaning system ECO will ensure an energy-efficient operating and a constantly optimized dust removal. Cleaning will be executed in the semi-offline mode with low pressure technology.



Mobile de-dusting



Intensiv-Filter has commissioned three further mobile de-dusting devices for the ship unloading and truck loading in the harbour of Tema, Ghana. The bag filters complement an already existing mobile dust removal device. With it the capacity can be raised by a further volume flow of 44,000 m³/h. The filter surface amounts to additional 388 m².

CIP-Filter for testing plant



New Zealand dominates the worldwide dairy market. In the Waikato innovation park, in Hamilton, New Zealand, a spray dryer is put into operation for product development purposes. This will give the opportunity to the dairy associations to research and develop high-quality products. The dust removal of the „testing spray dryer“ is carried out by a CIP filter (cleaning in place) from Intensiv-Filter. The filter for a volume flow of 18,000 m³/h, with 6 m long filter bags and a temperature of 80 °C was already lifted into the research building. Commissioning is in May, 2012..