

Field Service

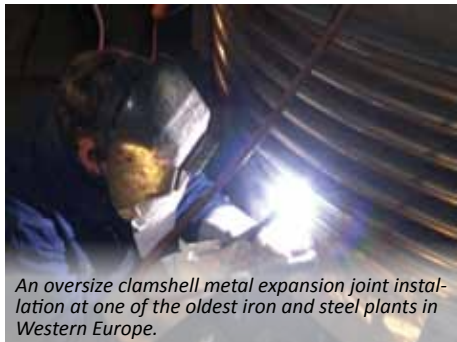
- worldwide expansion joint
emergency field service
within 48 hours



**Maintenance Support
Supervision
Installations
Inspections
Emergency Service**

Iron and Steel Industry

Iron and steel plant in Western Europe. Installation of an oversize clamshell with stand-up rings at one of the oldest iron and steel plants in Western Europe with the Basin Oxygen Furnace (FOB) Converter process. The clamshell was fitted and installed after 3 shifts and successfully non destructive tested.



An oversize clamshell metal expansion joint installation at one of the oldest iron and steel plants in Western Europe.

Combined Cycle Power Plant

EGAT Wang Noi Power Plant in Ayutthaya Province, Thailand. KE-Burgmann supplied and installed a 9 x 5 meters high temperature FLUASTAL® fabric expansion joint at the EGAT Wang Noi Power Plant. The expansion joints were designed to operate at 580 °C and installed in the exhaust gas duct-bypass stack.



FLUASTAL fabric expansion joint installed at EGAT Wang Noi Power Plant in Thailand, designed to operate at 580 °C.

Flue Gas Desulphurization (FGD)

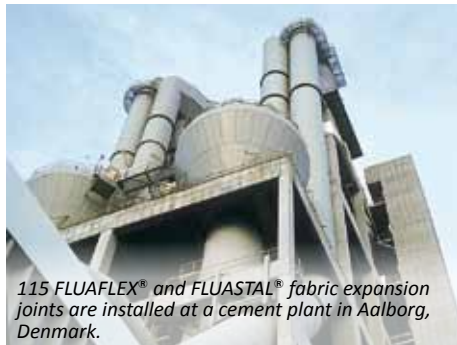
Power plant in Tennessee, USA. 10 FLUACHEM® fabric expansion joints with circumference up to 160 feet, were installed on scrubbers 200 feet up in the air. Expansion joints were fitted to prevent flutter and drains were installed to prevent chemical media from accumulating in the expansion joints.



FLUACHEM® fabric expansion joints installed at a power plant in Tennessee and fitted to prevent flutter and accumulation of chemical media.

Cement Industry

Cement plant in Aalborg, Denmark. KE-Burgmann supplied and installed 115 FLUAFLEX® and FLUASTAL® fabric expansion joints on precipitators, the chimney, the cyclone tower, the Folax building and the coal mills. The medium was flue gas from the cement production and drying process varying in temperature from 100 °C to 1.000 °C depending on location.



115 FLUAFLEX® and FLUASTAL® fabric expansion joints are installed at a cement plant in Aalborg, Denmark.

Power Generation

Emergency service on a leaking boiler at a power plant in Belgium. A DN2100 Inconel 625 clamshell metal expansion joint for a flue gas piping system was installed within 24 hours.



Emergency service - supply of a DN2100 Inconel 625 clamshell to the flue gas piping system at a power plant in Belgium.

Flue Gas Sealing

RWE power station in Germany. KE-Burgmann service and engineering/Eagle-Burgmann Packing Department, in close co-operation with RWE and a manufacturer of dampers, developed a flue gas sealing for ducts, with special focus on flue gas tightness in the corner elements. The flue gas sealing was developed in two different materials.



Flue Gas Sealing, developed in co-operation between RWE, a manufacturer of dampers, EagleBurgmann Packing Department and KE-Burgmann Service and Engineering

KE-BURGMANN SERVICE

Servicing our customers is a vital part of KE-Burgmann's core values. We know how important operational reliability is and that long service life of expansion joints therefore is crucial, as unplanned shut downs are not only troublesome but also expensive!

The right installation can save hundreds of man-hours by getting the job done correctly, on time, the first time and safely!

Nickel and Cobalt Industry

Nickel and cobalt plant in New Caledonia. Installation of 29 KE-Masterflex rubber expansion joints - both D-types and DFS-types, ranging from DN 150-DN750.



KE-Masterflex® D-type and DFS-type rubber expansion joints installed at a nickel and cobalt plant in New Caledonia.

Refinery

Emergency service at ConocoPhillips Borger Refinery in USA. KE-Burgmann EJS was contacted by the refinery due to failed bellows, which caused a significant production loss. Within 3 days a DN120 clamshell was manufactured, flown onsite by charter aircraft and installed. The service team stayed onsite until the bellows was successfully tested and ready to assume production.



Clamshell bellows was flown in by charter aircraft to a ConocoPhillips Refinery in Borger Texas, USA from KE-Burgmann EJS in Santee, CA, USA.



Waste Incineration Plant

Waste incineration plant in Jönköping, Sweden. KE-Burgmann supplied and installed various ducting fabric expansion joints, but also the sealing joint between furnace and boiler. The total length of the sealing joint was approximately 48 meters. The service job included on site measurements, workshop drawings, manufacture & assembly of steel components and manufacture & installation of expansion joints.



Various fabric expansion joints were installed at a waste incineration plant in Sweden, including a sealing joint between the furnace and the boiler.

Offshore

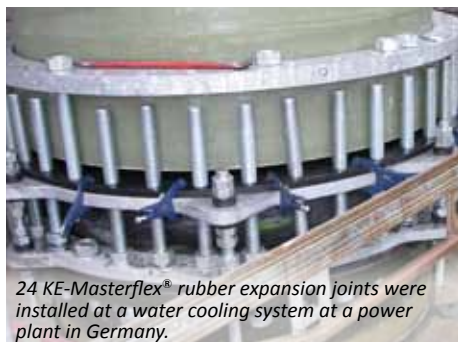
Emergency service at offshore platform in the North Sea. KE-Burgmann engineered, manufactured and shipped 16 customized DN600 metal expansion joints within 24 hours to a Danish off-shore client in the North Sea. The expansion joints were transported onsite by a specially arranged supply vessel.



16 customized DN 600 metal expansion joints were delivered to a Danish offshore client within 24 hours.

Power Plant

Repair of rubber expansions in a water cooling system at a power plant in Hürth, Germany. 24 KE-Masterflex® rubber expansion joints, ranging from DN 300-DN1600, were supplied and installed at the cooling system at a German power plant.



24 KE-Masterflex® rubber expansion joints were installed at a water cooling system at a power plant in Germany.

Power Plant

Supply and installation of 232 fabric penetration seals at a power plant in USA, during shutdown. The penetration seals were made of FlexGen® 2004, reinforced laminats consisting of coated glass fabric laminated with PTFE. It took 8 KE-Burgmann fitters one month to install the 232 penetration seals.



Supply and installation of 232 FlexGen® 2004 fabric penetration seals at a power plant in USA.

Chimney

ALCUDIA Power Station on the Balearas Island, Spain. KE-Burgmann supplied 11 FLUACHEM® fabric expansion joints for 4 chimneys, which were being refurbished. KE-Burgmann's partner in Spain supervised the installation.



The installation of 11 FLUACHEM® fabric expansion joints at ALCUDIA Power Station in Spain was supervised by KE-Burgmann partner.

Chemical Plant

Chevron Phillips Chemical plant, St. James, Louisiana, USA. A vertical heat exchanger metal expansion joint, DN3500, was designed, manufactured and delivered within 4 days from the first contact with the customer. The complex expansion joint with tie-rods was installed in an elevated location.



A DN3500 vertical heat exchanger expansion joint was installed at a Chevron Phillips chemical plant within 4 days from the first customer contact.

Combined Cycle Power Generation

AES Merida III combined cycle power plant in Yucatan. A 60 x 22 meters FLUACHEM® fabric expansion joint was installed between the boiler exit and the chimney inlet. The elevation made the installation complicated, but constant conciousness of the risk involved, the safety measure-ments taken by the customer and KE-Burgmann, the installation was a success.



Elevated installation of a 60 x 22 meter fabric expansion joint at a combined cycle power plant in Yucatan.

Refinery

Complete expansion joint supply and installation during shutdown at a major UK refinery. Work included 4 oversize clamshells on the FCCU, complete supply of hot wall double gimbal expansion joint, emergency refurbishment in 72 hours of a heat exchanger bellows, numerous fabric expansion joints and inspection & testing services.



Supply and installation of both clamshell bellows and fabric expansion joints at a major UK refinery within 72 hours.

Safety in Service!

Experience that counts!

Servicing our customers is a vital part of KE-Burgmann's core values. We know the importance of operational reliability and that long service life of expansion joints therefore is crucial, as unplanned shut downs are not only troublesome but also expensive!

The right installation can save hundreds of man-hours by getting the job done correctly, on time, the first time and safely!

With KE-Burgmann Service you are guaranteed:

- Many years of experience with installation of expansion joints within a wide range of industries.
- Guidance in choosing the right expansion joint for YOUR application, making the right connection between lifetime and economy.
- Assistance in expansion joint emergencies within 48 hours worldwide.

Find your local expansion joint partner:
www.ke-burgmann.com

Safety first!

KE-Burgmann is part of the international EagleBurgmann and Freudenberg Group. Both organizations, including the KE-Burgmann Group, have a long and proud history of focusing on safety - both for our manufacturing and installation personnel, but also for users of our products - our customers.

KE-Burgmann's fitters and supervisors undergo annual internal KE-Burgmann training in safety and are continuously updating their onsite safety courses.

The internal KE-Burgmann onsite service training includes among others:

- Mind setting employees towards the KE-Burgmann Safety Understanding.
- When to say "no" on site - personal limits.
- Safe onsite behaviour when cooperating with colleagues.
- Different onsite demands from customers.
- Legal demands in a local perspective.

At KE-Burgmann we strive to and train our employees always to think "safety first"!



KE-BURGMANN

06/01/01.rev.0/ 10.03/GB

KE-BURGMANN A/S
Expansion Joint Division
Park Allé 34
DK-6600 Vejen

Tel.: +45 75 36 18 11
Fax: +45 75 36 15 32
E-mail: info@ke-burgmann.dk
www.ke-burgmann.com