

Tracing

Comprehensive and Specialist Experience

Essential for many modern production processes that gas, liquids or solids are transported through a pipe at the correct temperature, often within very strict tolerances. Each year, Brand Energy & Infrastructure Services (BRAND®) install kilometres of tracing in all sectors, from petrochemicals to the food industry. This has provided us experience in designing and executing ready-made solutions. We mutually coordinate insulation and tracing carefully, so that an optimal temperature management is guaranteed.

Tracing Service Offerings

- › Planning, engineering and design package
- › Electric and steam solutions
- › Maintenance programs, outage and turnaround services
- › Panel kits for tanks and vessels
- › Troubleshooting and audits



more safety
more productivity

Tracing Services

The BRAND® advantage

BRAND offers our customers years of experience in providing expert electrical and steam heat tracing services. BRAND employs a team of 40,000 specialty crafts personnel across the world - including highly skilled and thoroughly trained tracing specialists, most of whom are cross-trained in other related services.

BRAND offers the following expert tracing services:



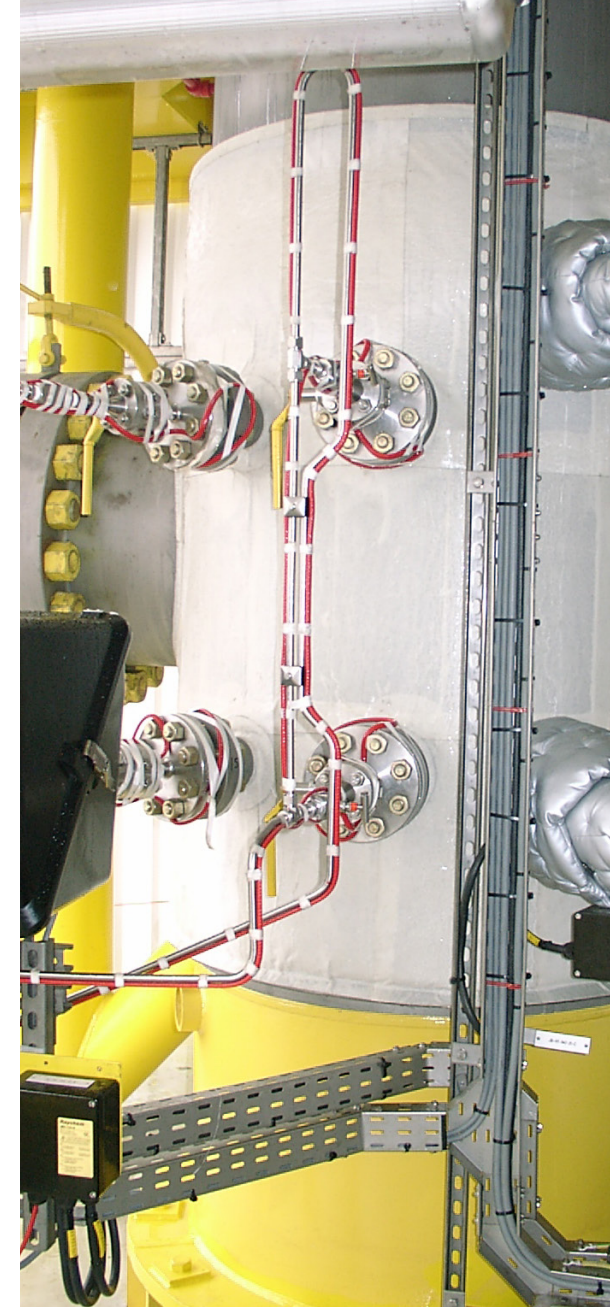
Electrical Heat Tracing

Electrical heat tracing is the process of installing an insulated electrical heating cable around process fluid piping, and is followed by insulating the pipe and heating cable with the appropriate type and thickness of insulation material. This method of heat tracing can be installed with relative ease but is not appropriate for all situations. Electrical heat tracing is typically used in situations where it is important to have more control over the heating process.



Steam Tracing

Steam tracing is the process of attaching a smaller pipe containing saturated steam (a tracer), parallel to process fluid piping. Together, the two pipes are then insulated with the specified insulation and jacketed if necessary. Steam tracing may be performed in two different ways. Bare steam tracing is the most popular choice as it is fairly easily installed and maintained and is ideally suited to lower temperature requirements. It is the process of attaching a 1/2" or 3/4" pipe to the process fluid pipe with straps. Both pipes are then insulated together. The second steam tracing method is called cemented steam tracing. This is the process of using heat conductive cement around a steam tracer running parallel to the process fluid pipe for the purpose of increasing the contact area available for heat transfer between the tracer and the process fluid pipe.



> best in class safety performance

> specialty team of ~40,000 People

> 30,000+ customers ... and growing

> ~340 locations in 25 Countries

> revenues of nearly ~\$5b

> assets & equipment worth ~\$4.2b

Why BrandSafway?

Unique combination of expertise & resources

We are part of **BrandSafway**, a leading global provider of access, specialised services and forming & shoring solutions to the industrial, commercial and infrastructure end markets. With more than 340 branches all over the world, we provide support for ongoing maintenance as well as for refurbishment needs and new construction plans.

As one strong team, we support our customers:

- > **Brand Energy & Infrastructure Services** is one of the world's largest industrial services specialists;
- > **Brand Access Solutions** is the UK's largest full-service provider of scaffolding and access systems;
- > **Hünnebeck** stands for safe and highly efficient formwork, scaffolding and safety technology.



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