

eltherm[®]
innovations in heat tracing



Capabilities

实力

innovations in heat tracing/德国电伴热创新工艺



eltherm GmbH –

solutions with electrical heat tracing systems

eltherm GmbH is an international operating company specialising in the field of electrical heat tracing systems.

With more than 40 years of technology know-how, continuous demand for the highest quality and flexibility, this owner-managed company has grown significantly since its humble beginning. The clear commitment to the production site in Germany strongly emphasizes the philosophy of eltherm, which is to supply its customers with electrical heat tracing system solutions individually customized to their requirements on the highest level.

Having its own production site for heating cables and accessories, it has enhanced the engineering society in eltherm so as to become one of the leading manufacturers for electrical heat tracing systems worldwide.

Besides frost protection and temperature maintenance up to 1000 °C, eltherm is the competent partner for complete system solutions like heating whole chemical or other industrial plants.

eltherm proved its potential and expertise in different applications for industries like oil and gas, power plant building, automotive and food industries.

The eltherm engineers would like to face your challenge, too.

eltherm 有限公司——

电伴热系统解决方案

德国爱敦是专门从事于电伴热领域的国际性经营公司。

eltherm 有限公司是电伴热领域的一家全球性企业。

在企业的发展道路上, 超过 40 年的专门技术、顶级品质要求以及高度灵活性是最突出的特点。我们在德国的驻地有着明确的信条, 所强调的理念在于, 提供最高水平、按客户要求定制的个性化伴热解决方案。

因此, 我们作为工程公司自行开发、生产伴热电缆和配件, 成为全球领先的电伴热装置生产商。

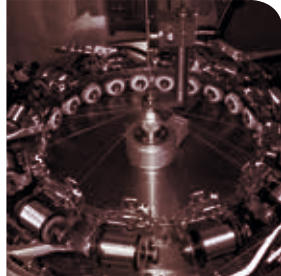
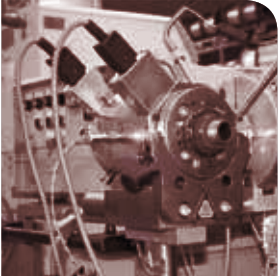
除了不超过 1000 °C 的防冻和温度保持, 我们还是为您提供全套系统解决方案, 以及整个化学工厂和其它工厂伴热系统的实力伙伴。

时至今日, 我们在各种各样的应用领域均具备生产能力和专业技能, 比如经实践证明的油气行业、电厂建造, 以及汽车或食品行业。

eltherm 工程师也乐于接受您提出的挑战。

innovations in heat tracing





Solutions for your challenge! 为您的挑战提供解决方案!

Qualified Solutions

eltherm has its own production facilities and its own research and development team. This is where innovative solutions are born and where products are constantly improved to meet market requirements. Our quality-management system ensures that only top quality and fully functionally products leave our factory.

In addition to EAC certification, GL certification and VDE approvals, for instance, eltherm also meets the strict requirements of the ATEX certification for hazardous area applications. In addition, eltherm has also had ISO 9001, ISO 14001 and OHSAS 18001 certifications.

优质的解决方案

正因为爱敦拥有着自己的生产设施和研发团队, 创新解决方案才能源源不断的诞生, 产品才能始终一贯的优化, 来满足不断变化的市场需求。我们的质量管理体系确保只有一流质量和功能完善的产品才能出厂。

除了EAC认证, GL认证和VDE规范, 爱敦也符合ATEX认证的严格要求。此外, 爱敦已经拥有ISO 9001, ISO 14001 和 OHSAS 18001 认证。





Applications 应用领域

There are many applications where electrical heat tracing systems are needed for.
在众多领域都需要应用电伴热系统.



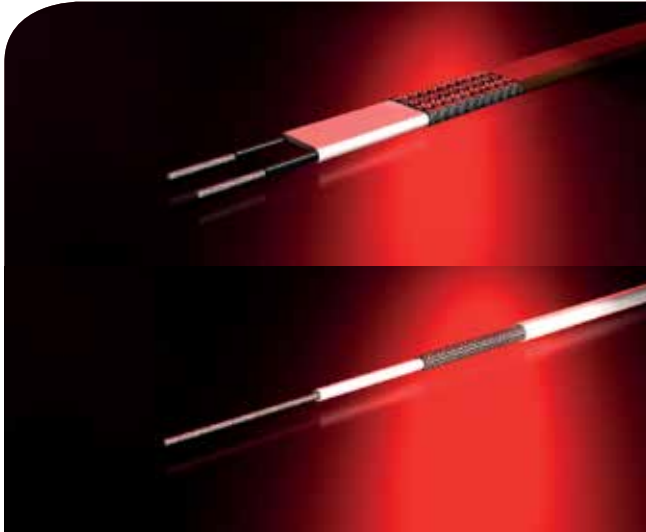
Typical Applications :
典型的应用领域有:

Frost Protection and Temperature Maintenance for
用于防霜保护和温度维持

- Chemical and Petrochemical Industry
石化工业
- Power Plants
电力生产
- Oil and Gas Industry
石油和天然气工业
- Tank Bottom Heating at LNG Storage Tanks
液化天然气储罐底部加热系统
- Pipes in Industrial and Building Construction Applications
工业管道和建筑施工
- Tank Containers, IBC's
罐箱加热系统
- Drums
鼓
- Pumps, Valves
泵, 阀门
- Food Industry
食品业
- Paper Industry
造纸业
- Automotive Industry
汽车制造业
- Gluing Roboters
涂胶机械手
- Bitumen Applications
沥青制造业
- Gas Analysis
气体分析
- Particle Accelerator
粒子加速器
- Potable and Waste Water
饮用水与废水
- Antennas
天线
- Sugar Silos
糖储仓
- Colours and Paints
颜料与涂料
- Coating Technology
涂层技术
- Offshore Applications
海上应用
- Rail and Point Heating
铁轨伴热
- And many more
许多其他应用



Product Range 产品范围



Heating Cables / Heating Tapes

Electrical Heat by Heating Tapes or Heating Cables

No matter if pre-assembled or cut-to-length, eltherm heating cables and tapes are suitable for frost protection as well as for process temperatures up to 1000 °C and therefore meet the complex requirements of the heating technology.

伴热线/伴热带
伴热带/伴热线通电后产生热量

不论是工厂预端接或是剪切任意长度，爱敦伴热带/伴热线可用于防霜保护以及维持温度高达1000°C的加工过程，能满足任何复杂环境的伴热需求。



Flexible Heated Hoses

Electrical Heat for Flexible Media Transport

Wherever liquids or gases have to be transported flexibly and without any loss in temperature, eltherm heated hoses offer the perfect solution for temperatures up to 450 °C.

预热软管
媒介传输过程中的电伴热

如果需要传输气体或液体，并保证在传输过程中介质温度不会降低。爱敦预热软管能为此类应用提供温度高达450°C的解决方案。



Flexible Heating Mats and Jackets

Electrical Heat, Tailor-Made and Optimized for any Application

Flexible eltherm heating mats and jackets are the tailor-made and optimum solution for individual requirements. They offer a high level of effectiveness and heat distribution up to 900 °C.

加热垫和加热套
根据应用环境量身定制的电伴热

爱敦加热垫和加热套都是根据具体需求量身定制的最优解决方案，效率高及热量分布均匀，可加热高达450°C。

Product Range 产品范围



Measurement and Control

Measuring, Controlling and Monitoring Electrical Heat

In addition to our eltherm controller range, we also produce and supply complete controlling systems for any electrical heat tracing application, thus guaranteeing a trouble-free and economic operation.

测量与控制 电伴热的测量，控制与监测

爱敦不仅拥有一系列的控制器，同时还生产和提供整套控制系统来确保无故障并经济有效的运行。



Special Heating Systems

Electrical Heat for Individual and Various Purposes

In addition to our standard programme, we also develop and build heating systems for special purposes. eltherm projects, manufactures, supplies and assembles complete heating systems according to the customers requirements, i.e. ready for final inspection, acceptance and handing-over.

特殊伴热系统 各种不同用途的电伴热

爱敦除了拥有标准的产品和系统，同时还开发建造特殊加热系统。根据客户的要求进行设计，生产，供应和组装完整的电伴热系统。



Accessories

Complete Solutions in a Competent Way

You will easily find the suitable assembling devices and connection technologies in our wide range of products.

配件 完善的专业解决方案

您可以在爱敦种类繁多的产品中轻易找到适合的组合连接元件。



Ex-Area

Electrical Heat in Hazardous Areas

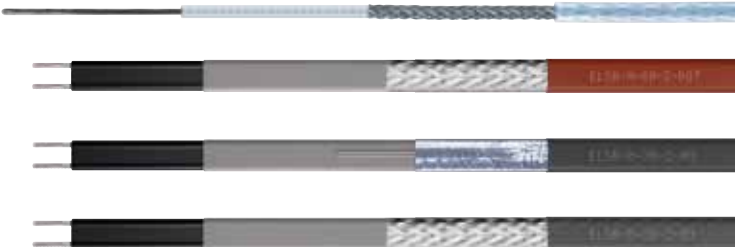
Being an ATEX certified company (IBExU 009 ATEX Q006), eltherm fulfils the increased security standards according to the latest Ex-guidelines 94/9/EG Appendix VII.

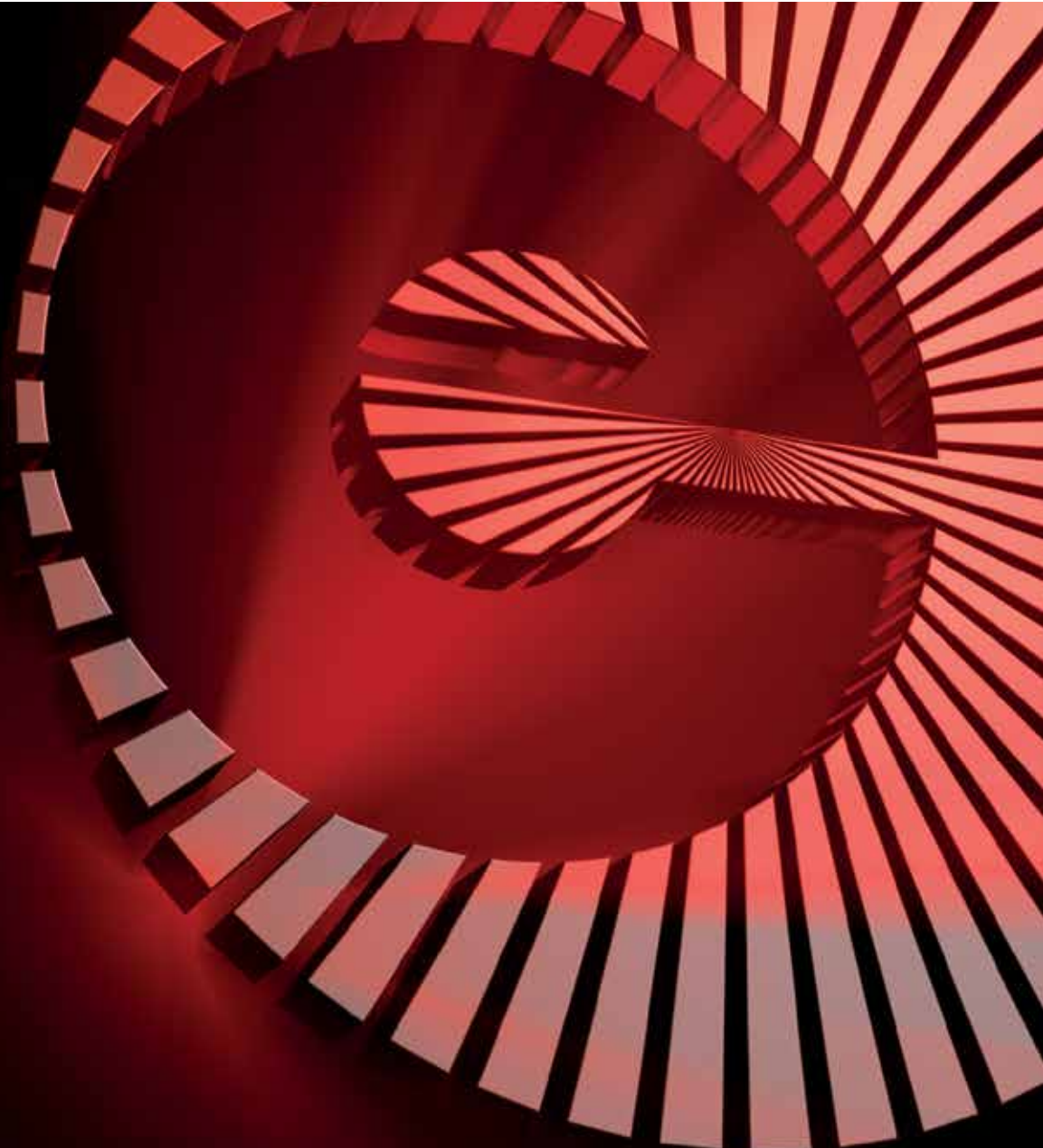
We are in constant contact with our customers and the certifying authorities in order to ensure continuous development of the eltherm products and systems.

**防爆环境
防爆环境下的电伴热**

爱敦作为一个ATEX认证公司(IBExU009 ATEX Q006), 满足严格的安全增强标准, 遵从最新的防爆准则94/9/EG附录七。

我们始终与客户和认证机构保持紧密联系, 确保爱敦的产品和系统的不断改进和发展。





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