



TRANSKOR INTERNATIONAL (UK) LTD

川斯科英国国际有限公司

THE POWER TO PROTECT

保护的動力源



Transkor International UK Ltd. is jointly owned by Hitech Engineering Materials and Systems Ltd registered in the UK, Corrtrol Sdn. Bhd. of Malaysia and OOO Transkor of the Russian Federation. The company combines the engineering, research, development, manufacturing and supply strengths of each of the partners and is becoming a leading force in the international cathodic protection and pipeline inspection industries.

川斯科英国国际有限公司是在英国注册的高科技工程材料及系统公司、是马来西亚的 Corrtrol Sdn. Bhd和俄罗斯联邦OOO川斯科公司共同拥有的一家公司。公司汇集各合作方在工程、科研、发展、生产及供应方面的优势，成为国际阴极化保护和管道检验工业领域的前沿力量。

Specialising in design, consultancy, engineering, inspection and materials supply the company is staffed with fully qualified and experienced technical and professional personnel certified by NACE.

公司拥有经验丰富的技术人员和获得NACE证书的专业人才专门致力于设计、咨询、检验，材料供应以及无损探伤实验。



With its offices located in the UK, Malaysia and the Russian Federation the company offers top performance and quality at highly competitive rates.

公司在英国、马来西亚、俄联邦的办事处以很强的竞争力提供最佳的服务。

INDUSTRIAL CATHODIC PROTECTION 工业领域的阴极化保护

Industrial cathodic protection includes structures such as above ground and under ground storage tanks, buried pipelines (including pre-stressed concrete), refinery pipe-work, oil and gas well casings, power plant condensers and sea water intake equipment.

工业领域的阴极化保护包括基础建设，如地面和地下的储



存罐、地下（包括预制混凝土）管道，炼油厂管道网、油井和气井的防护盖，电厂的冷凝设备及海水入口设备。

TRANSKOR INTERNATIONAL (UK) LTD STAFF HAVE BEEN ACTIVELY ENGAGED IN ALL TYPES OF SYSTEMS

英国川斯科的员工一直积极致力于各种工作



Design and consultancy service



设计和咨询服务



Installation, supervision and maintenance surveys



安装、监理、维护探索



Temporary cathodic protection/
sacrificial cathodic protection



短期的阴极保护/终身阴极保护



Permanent cathodic protection/impressed current cathodic protection



永久性阴极保护/当前时期阴极保护

OFFSHORE CATHODIC PROTECTION 近海阴极保护

Corrtrol-Hitech has successfully completed a wide range of offshore projects. Typical offshore and shoreline structures protected include:

英国川斯科公司成功的完成了大量、多种近海项目：



Submerged pipelines
海底管道



Piles, piers and jetties
桥桩、桥墩和码头



Offshore platform jackets
近海平台保护罩



Single buoy moorings
单浮子锚

Transkor International (UK) Ltd staff have been involved in surveys, design, manufacture, testing and commissioning of cathodic protection systems.

英国川斯科公司的员工一直致力于考察、设计、制造、实验及调试、阴极保护系统

CONCRETE CATHODIC PROTECTION 混凝土的阴极保护

Reinforced concrete is the most widely adopted construction material in the world with its high strength and low cost. Contamination of structures by aggressive chemicals leads to a rapid corrosion of the steel. In turn, this leads to damage to the concrete and eventual failure of the structure.

由于成本低、强度高，钢筋混凝土是世界应用最为广泛的建筑材料。腐蚀性的化学成分对基础结构的污染，导致钢材快速腐蚀，从而破坏了混凝土，最终导致基础结构损坏。



Transkor International (UK) Ltd engineers are experts in condition monitoring and cathodic protection of concrete structures and are experienced in both existing and new build structures including bridges, power plant seawater and cooling systems.

英国川斯科公司的工程师们是混凝土结构状况监测和阴极保护专家。对现有的和新建的结构都非常有经验，包括桥梁、电厂的海水和冷却系统。

SPECIALISED SURVEYS 专业化的探索

Transkor International (UK) Ltd professionals are experienced in conducting surveys on pipelines and a variety of structures using a range of techniques including:





川斯科的专家们具有丰富的经验, 可用下列技术对管道和各种基础建设进行探索:



Non Contact Magnetic Tomography. This is cutting edge technology originating from the Russian Federation and is especially useful when a comprehensive inspection of non piggable lines is required. For further information please refer to our separate brochure.



无接触磁力层析X射线摄影法. 这是一种切边技术, 尤其是要求进行综合检验时特别有用. 有关详细资料, 请参阅我们的产品手册.



Soil resistivity measurement (CIPS, DCVG, CDS)



土壤电阻测量(CIPS, DCVG, CDS)



External Corrosion Direct Assessment (ECDA)



外部腐蚀的直接评定 (ECDA)



Pipeline corrosion modeling



管道腐蚀模拟

ABOVE GROUND STORAGE TANKS 地面储存罐

Transkor International (UK) Ltd engineers design cathodic protection systems using the latest technology to ensure long life protection of the external bottoms of above ground storage tanks. Compatibility with secondary containment and double bottom tanks is assured, installation and operating costs are low and optimum levels of protection are achieved.

川斯科工程师使用最新技术设计阴极保护体系来确保地面储存罐的底部外面得到长期保护. 保证了与二次污染的兼容性以及双层罐底, 安装和操作成本低, 保护效果好.





ADDITIONAL SERVICES 附加服务

Transkor International (UK) Ltd provides complete engineering services, materials and equipment necessary to solve a comprehensive range of corrosion related activities:

可以为解决与下列有关的一系列腐蚀问题提供完整工程技术服务, 材料和必要的设备,:

- Corrosion and cathodic protection consultancy
- 腐蚀和阴极保护咨询
- In house training by NACE certified corrosion and cathodic protection specialists
- 由NACE批准的阴极保护专家提供室内培训



- Specification writing
- 编写规范
- Corrosion failure analysis
- 腐蚀故障分析
- Pipeline integrity assessment and management
- 管道完整性平与管理
- Remote monitoring

- 遥远监控
- Anti fouling systems
- 防污系统
- Material supply
- 材料供应
- Detailed feasibility studies
- 详细的可行性研究
- Troubleshooting
- 排故





Stray current investigation and mitigation



漏电调查和排除



HVAC interference mitigation



排除高压电流(HVAC)干涉

CATHODIC PROTECTION MATERIALS 阴极化保护材料

To complete the total corrosion control service Corrtrol-Hitech supplies a comprehensive range of materials - all in compliance with the relevant standards and under strict quality control. Included are:



为了完成全面的腐蚀控制服务,川斯科提供广泛的材料, 这些材料全部得到严格的质量控制,全部符合有关标准.这些材料有:



Electro-chlorination cells

电氯化电池



Magnesium anodes (all grades and forms)

镁电极 (各种级别和形式)



Zinc anodes (including ribbon and bracelets)

锌电极 (包括带状和索状物体)



Aluminium anodes (all forms)

铝电极 (各种形式)



Si-Fe-Cr anodes

硅-铁-铬电极



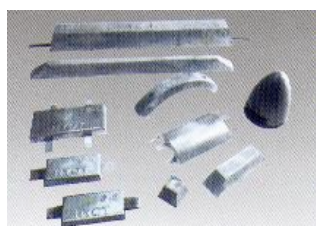
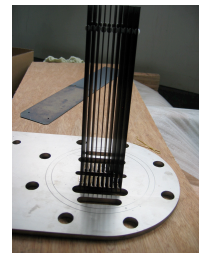
Platinised titanium anodes

镀铂钛电极



Mixed metal oxide anodes

合金氧化电极



Carbonaceous backfill

碳素回填材料



Zinc tape - thin film anode

锌带-薄膜电极



Custom made transformers/rectifiers

用户的变压器/稳压器



Pipeline/piping corrosion protection wrapping tape

管道/管路防腐保护包装带



Survey instruments (DCVG, data logger, pipe detector)

探索仪器(DCVG, 数据记录仪, 管道探测器)



Reference electrodes/half cells (CuSO₄, Ag/AgCl, Zn)

标准电极/半电池



Earthing cells

接地



Test posts and junction boxes

试验极和接线盒



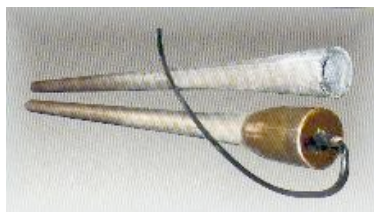
Vapour corrosion inhibitor (VCI)

蒸气防腐剂



Insulation flange kits/monolithic joints

绝缘配套安装边/整体接头



Transkor International (UK) Ltd

Tudor House Mews

Westgate, Grantham

NG31 6LU

UK

Tel. +44 1400 283523

Fax. +44 1400 282648

Email: enquiries@transkor-intl.com

www.transkor-intl.com