

TRANSKOR



THE POWER TO PROTECT





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 and development and manufacturing and supply strengths of each of the partners and is becoming a leading force in the international cathodic protection and pipeline inspection industries.

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





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



INDUSTRIAL CATHODIC PROTECTION

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.

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

-  Design and consultancy service
-  Installation, supervision and maintenance surveys
-  Temporary cathodic protection/sacrificial cathodic protection
-  Permanent cathodic protection/impressed current cathodic protection




OFFSHORE CATHODIC PROTECTION


Transkor International (UK) Ltd has successfully completed a wide range of offshore projects. Typical offshore and shoreline structures protected include:

 Submerged pipelines

 Piles, piers and jetties



 Offshore platform jackets

 Single buoy moorings

Transkor UK staff have been involved in surveys, design, manufacture, testing and commissioning of cathodic protection systems

CONCRETE CATHODIC PROTECTION

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.

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.

SPECIALISED SURVEYS

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

-  Non-Contact Magnetic Tomography. This is cutting edge technology and is especially useful when a comprehensive inspection of non-piggable lines is required. For further information please refer to our separate brochure.
-  Soil resistivity measurement (CIPS, DCVG, CDS)
-  External Corrosion Direct Assessment (ECDA)
-  Pipeline corrosion modeling




ABOVE GROUND STORAGE TANKS

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.

ADDITIONAL SERVICES

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

-  Corrosion and cathodic protection consultancy



- In house training by NACE certified corrosion and cathodic protection specialists
- Specification writing
- Corrosion failure analysis
- Pipeline integrity assessment and management
- Remote monitoring
- Anti fouling systems
- Material supply
- Detailed feasibility studies
- Troubleshooting
- Stray current investigation and mitigation
- HVAC interference mitigation



CATHODIC PROTECTION MATERIALS



To complete the total corrosion control service, Transkor International (UK) Ltd supplies a comprehensive range of materials - all in compliance with the relevant standards and under strict quality control. Included are:

- Electro-chlorination cells
- Magnesium anodes (all grades and forms)
- Zinc anodes (including ribbon and bracelets)
- Aluminium anodes (all forms)
- Si-Fe-Cr anodes



- Platinised titanium anodes
- Mixed metal oxide anodes
- Carbonaceous backfill
- Zinc tape - thin film anode
- Custom made transformers/rectifiers
- Pipeline/piping corrosion protection wrapping tape
- Survey instruments (DCVG, data logger, pipe detector)
- Reference electrodes/half cells (CuSO₄, Ag/AgCl, Zn)
- Earthing cells
- Test posts and junction boxes
- Vapour corrosion inhibitor (VCI)
- Insulation flange kits/monolithic joints



TRANSKOR INTERNATIONAL (UK) LTD
 Tudor House Mews, Westgate
 Grantham, UK
 Tel: + 44 1400 283523 Fax: + 44 1400 282648
 Email: enquiries@hitech-me.co.uk