



## FOUNDER | PROFILE

KB Swaroop is the Founder and President of Corrosion Matters. He has Bachelor of Engineering degree in Electrical and Electronics and is a licensed / valid electrical supervisor for electrical installations upto 11KV. Swaroop brings on board a vast corrosion prevention experience of over 15 years spanning the entire spectrum of a project life line beginning from the specification, management phases to execution and maintenance phases.

His domain expertise touches the entire core manufacturing industry disciplines including exotic metals fabrication, foundries, steel, oil and gas, petrochemicals, electronic equipment assemblies etc. In addition, he consults industries to enable them provide healthy, safe and environmentally friendly, working conditions to their field staff. A testimony of this fact he has a blemish less zero accident record in all the jobs he handled thus far.



## CORROSION MATTERS

6-3-899/2, 2nd Floor Swathi Plaza  
Rajbhavan Road, Somajiguda, Hyderabad - 500082

Phone : +91 40 3240 4595  
Telefax : +91 40 2341 8786  
Mobile : +91 99497 66635

Email : [kbswaroop@corrmmatt.com](mailto:kbswaroop@corrmmatt.com)  
Website : [www.corrmmatt.com](http://www.corrmmatt.com)



An ISO 9001:2000 Company



## CORROSION MATTERS



a Cathodic Protection Engineering Company

DESIGN & ENGINEERING  
TECHNICAL CONSULTING  
CP SYSTEM ANODES

An ISO 9001:2000 Company

## COMPANY | OVERVIEW

Corrosion Matters, this company has been founded by Corrosion and Electrochemical engineers in 2005 to cater to projects related to corrosion prevention systems.

The founder, Mr.K B Swaroop has been an experienced professional in the field of Cathodic Protection for the last fifteen years.

For prevention of corrosion, our team of engineers, are having hands on experience and expertise in handling time bound and critical projects of importance.

The company is actively engaged in Cathodic Protection related comprehensive design and project management

The objective of the Corrosion Matters is to provide services to the industry to minute detail and innovate user friendly methods of Cathodic Protection applications which shall help the industries world over in a long way.



services for projects that are typically, cross country pipelines, Complex Plant Underground piping, Onshore and Offshore facilities, City Gas and Water mains, above ground storage tanks, concrete steel structures etc.

The company has been chosen to foresee and supervise construction projects and key assets of National and International Importance in Oil and Gas sectors.

The company is capable of offering supplies of complete range of sacrificial and impressed current systems by using state of the art techniques complying to International most recent and relevant standards like NACE, BS, API etc.

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## COMPANY | CLIENTELE

Best Wide Corrosion Tech Sdn Bhd.  
Manpower Supply to Sudan – 3 persons for 12 months

Tyco Valves and Controls India Pvt. Ltd.  
Comprehensive Designing and Engineering Consultancy for CP System for South Pars Project, Iran

VECO ENGINEERING LIMITED.  
Sub-Contract for Engineering Services for Cathodic Protection for GAIL Pipeline Vijaipur Kota Pipeline project – 18" dia X 178Km

Tema India Ltd.  
Supply of magnesium and Pure Iron anodes as per data sheet no.SDB/SK/763-27 Rev 0 Sht 1 of 1.

Prashant Projects Ltd.  
Supply of ICCP materials for 2 nos. of Tanks of 30mtrs. Dia at Syria and Installation Supervision

The Tata Power Company Limited  
Supply of Mixed Metal Oxide Coated MMO anodes

Brihanmumbai Mahanagarpalika  
Renovation of old iccp system installed on various buried MS water supply mains.

Brihanmumbai Mahanagarpalika  
Supply, Installation, Testing and Commissioning of Cathodic Protection System on the 1200 mm dia MS Water Supply main Passing through Tilak Nagar Railway Track.Due on 14.02.2006

Zuari Indianoil Tanking  
Supply of Permanent Reference Cell Make : Mc Miller

Hindustan Construction Co. Ltd.  
Bandra Worli Sea link Project, Package IV – Work order for Installation of Instrumentation for cable stay pile cap - Supply and installation of Halfcells

Raychem RPG Limited  
Reliance Jamnagar CP System – Annual Monitoring project

Corrpro Corrosion Control India (P) Ltd  
Borin Make Cu Cuso4 Permanent Ref. cells With standard cable length of 50 feet along with Original Testcertificates

Abdulla Fouad Impalloy Ltd. Co. (AFIC)  
Supply of Iron and Nickel Iron Anodes for the KJO refinery Desalination Plant at Saudi Arabia for Aquatech USA.

Cairn Energy India Pty Ltd.  
Ravva Terminal Design, Supply, Installation of Aluminium Anodes –Sacrificial Type for the 18mtrs. Tank Internal CP System

Lloyd Insulations (India) Limited  
Design, Installation Supervision for Plant ICCP for U/G Piping at Maruti Udyog Limited, Gurgaon

GHCL Limited  
Supply of Hi Si. Canistered Anodes

Hindustan Petroleum Corporation Limited  
Supply of Test Stations

Carin Energy India Pte. Ltd.  
Suvali Terminal Monitoring of Suvali Terminal on shore and off shore CP System



## PRODUCTS & SERVICES | CP SYSTEM ANODES



“ Everyday thousands of square meters of area of the ferrous structures are being Cathodically protected from electrolytic corrosion by Anodes designed, manufactured and installed by Corrosion Matters worldwide. ”



- High Silicon Chromium Anodes
- Mixed Metal Oxide Coated Titanium Anodes
- Aluminium Indium Anodes
- Pure Iron Anodes

Corrosion Matters has tied up with most efficient manufacturing facilities to manufacture anodes.

Corrosion Matters designs and supervises the manufacturing activity right from inspection of incoming raw material to on process testing and final inspection of anodes depending on the project needs.

Corrosion Matters firmly believes in Innovation, being up to date with the market trends and observing the growth patterns of its manufacturers. Our long market presence has enabled us to develop an immensely strong network of manufacturers to cater various engineering needs. Both these factors coupled with our expertise and consultation result in our customers getting the best possible deals the market has to offer in terms of Quality, Price and Deliverability. This is the key differentiator for Corrosion Matters from its competitors.

## PRODUCTS & SERVICES | DESIGN & ENGINEERING

### Design Matters

Corrosion Matters believes in providing sound design and Engineering practices laid down by various International Standards like NACE, BIS, BS, DNV, API etc. etc.

### Who Designs Matter

Cathodic Protection Systems design depends essentially on the experience and knowledge of the Individual Engineer addressing the design work. It can be said that Engineers of different background experience profile will address the problem differently. However the key is in detailing. Collecting various field inputs and collating them together will result in effective CP design.

### Data Matters

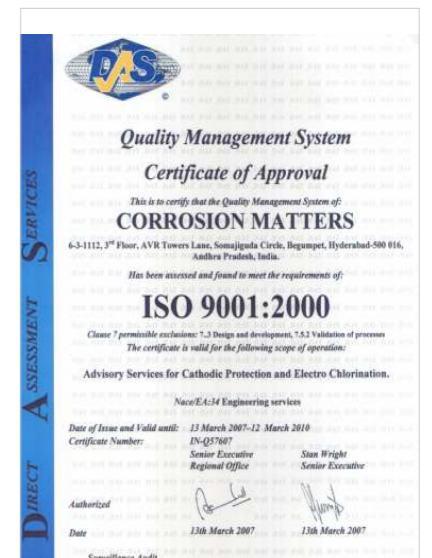
Corrosion Matters has all the requisite experience and testing equipment to conduct pre design surveys, interpret raw empirical data sometimes conflicting factual data to address all the critical areas of concern and present the solution based on optimum requirement of clients.

### ISO Systems Matter

Corrosion Matters is an ISO 9000 company has all the quality systems in place and this enables the right approach to be adopted for designing complex time bound projects.

### Soft Skills Matter

The technical team is equipped with Modern computer Software tools for representation and for plotting complex equipment geometries. Company has in house facilities to meet all the perceived requirements of the Design and Engineering projects.



### Engineering Matters

Cathodic Protection System engineering demands knowledge for intricate details of Mechanical & Structural Engineering, Civil Engineering, and Electrical Engineering. The dependency on such competencies is largely due to installation requirements which are always challenging and application of Installation techniques differ for project to project and place to place.

Corrosion Matters continues to demonstrate an acknowledged and accepted approach to all the Engineering related matters while be in CP Construction work, be it retrofitting of Anode system or be it complex hazardous operating Oil and gas installation or be it an Offshore Platform. The extensive knowledge base of Corrosion Matters coupled with wide variety of applications handled by the company gives the distinct advantage over the peers in this business.

# KEY PROJECTS | DESIGN AND ENGINEERING



CP System design for Chennai Madurai Trichy Pipeline project of IOCL.



Corrosion Performance and instrumentation for Bandra Worli Sea link Main pier cap concrete Steel Subsea structure.



Tank Bottom CP Project at Melut Oil Basin South Pars Iran

Internal and External Tank bottom CP System for high temperature Curdrie Oil storage Tanks at Tenghakat Assam, India for Oil India Limited

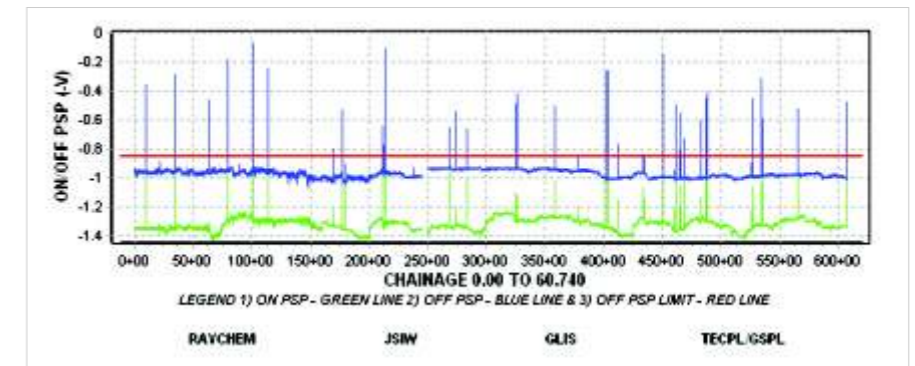
# PRODUCTS & SERVICES | TECHNICAL CONSULTING

Corrosion Matters is known for its strong technical support for activities for a variety of Cathodic Protection Systems.

- CP Surveys – Feasibility of CP System
- CP – Health Surveys
- Technical Manpower for Installation supervision
- Monitoring and Maintenance work
  - Cross country pipelines
  - Oil & Gas Industry Plants U/G Piping and Marine Tank farms CP System
  - Onshore terminals and Offshore platforms
- Clients representation for Construction supervision
- Refurbishment of CP equipment like TR units, Ground beds etc.
- CP Training
- CP Ground beds design Software
- CP Monitoring and Maintenance Software



because... Corrosion Matters!



**Veco Canada Ltd.**  
 Suite 1200, 401 - 3rd Avenue - SW,  
 Calgary, Alberta, Canada T2P 5C5  
 Tel: (403) 252 9800  
 Fax: (403) 252 9840

Project Office:  
 208, Laxmi Plaza, Laxmi Ind. Estate,  
 Off New Link Road, Andher (W),  
 Mumbai - 400 093, INDIA  
 Tel: + 91 22 6603 1152  
 Fax: + 91 22 6602 1309  
 Website: www.vecocan.com

**Certificate of Completion**

1. Name of the work	Sub-Contract for Engineering Services for Cathodic Protection for GAIL(India) Ltd. Vijapur Kota pipeline Project
2. Name of the Agency	Corrosion Matters 4-3-899/2, Swathi Plaza Somajiguda, Rajbhawan Road Hyderabad 500 082, Tel: 040 3240 4395 Fax: 040 2341 8786 Cell: + 91 95923 22192 www.corrmatt.com
3. Work Order references	Veco Letter No.201108/VECO-GAIL-L-0960 Dt. 19.05.2005 and Lt. No.201109/VECO-GAIL-L-2110 Dt. 01 June 2005
4. Scope of Work	Designing and preparation of drawings/documents, as per VECO technical requirements to be furnished for the TCP/PCP System for 176KM Cross Country pipeline as per the International Standards and NACE Guidelines. Job Includes: Review of CP tender, Attending Pre-bid meeting and bidders queries, representing VECO on project requirements by GAIL, Contractors, Technical Bid Evaluation & Recommendation, Review, Comments & approval of contractors detail design, drawings etc. and Site Supervision and project consultancy work during Project construction work by the contractor.
5. Contract duration	Technical consultancy and Manpower supply during June 2005 - January 2008.

M/s. Corrosion Matters has been engaged by us for Technical Services as above.  
 This is to certify that the work related to the subject project has been accomplished successfully by M/s. Corrosion Matters, and their performance has been Excellent.  
 We wish them success and would like to associate with them for future projects.

For Veco Canada Ltd  
 Authorizing Signatory