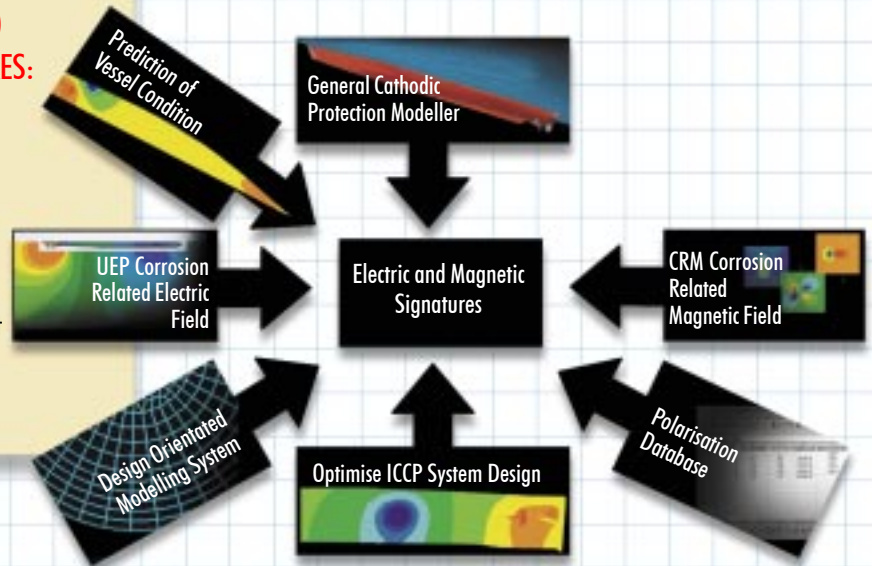




BEASY Corrosion Related Signature Toolkit

THE COMPREHENSIVE SOLUTION FOR ENGINEERS WHO NEED TO PREDICT ELECTRIC AND MAGNETIC SIGNATURES:

- Design ICCP systems
- Optimise CP system operation
- Identify optimum anode locations
- Design ICCP control parameters
- Predict electric and magnetic signatures
- Minimise signatures
- Use onboard data and/or signature to predict condition of the vessel



If you are responsible for the design, manufacture or deployment of defence equipment then you are aware of the need for minimum signature particularly electrical and magnetic signatures. BEASY can help with the electric (UEP) and magnetic (CRM) field prediction.

PREDICTION OF ELECTRIC (UEP) AND MAGNETIC (CRM) FIELDS

BEASY has been widely used to predict the performance of cathodic protection systems by modelling the coupled electric fields and electrochemistry for complete ships and other structures. The BEASY electric and magnetic field software provides, in one detailed model, an integrated approach to predicting the performance of the ICCP system, the corrosion related electric field and magnetic field.

SIGNATURE OPTIMISATION

BEASY provides the tools necessary to optimise the cathodic protection system to ensure the final design meets the customer's criteria. Anode location, anode currents, position of reference electrodes, paints and coatings and structure geometry can be varied to achieve an optimum design.

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BEASY Signature ToolKit Components

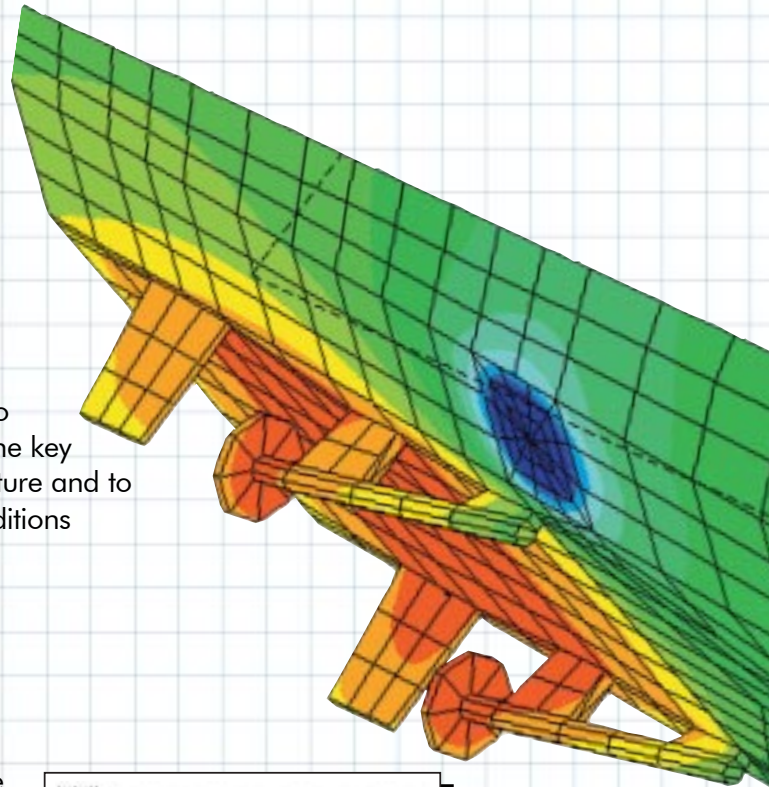
THE COMPREHENSIVE SOLUTION FOR ENGINEERS WHO NEED TO PREDICT ELECTRIC AND MAGNETIC SIGNATURES:

General Cathodic
Protection Modeller



BEASY predicts how effective proposed corrosion control strategies are at protecting structures and how they will perform over a structure's life cycle. Also, how they will interfere with nearby systems.

BEASY provides the corrosion engineer with the ability to model the performance of a CP system and to modify the key parameters to achieve maximum protection of the structure and to assess the impact of changes in the environmental conditions

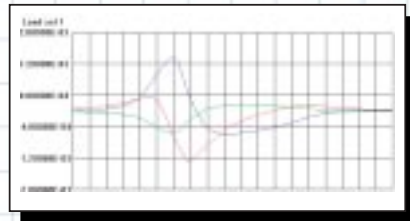


CRM Corrosion
Related Magnetic Field



BEASY has been widely used to predict the performance of cathodic protection systems by modelling the coupled electric fields and electrochemistry for complete ships and other structures. The BEASY CRM software in conjunction with the Corrosion & CP software provides in one detailed model, an integrated approach to predicting: -

- The performance of the ICCP system
- The corrosion related electric field
- The corrosion related magnetic field



Optimise CP
System Design



Used in conjunction with the Corrosion & CP and the CRM software the BEASY Optimisation software provides a comprehensive solution for engineers who need to

- Optimise CP system operation
- Identify optimum anode locations
- Design ICCP control parameters
- Minimise signatures
- Use onboard data and/or signature to predict condition of the vessel

Computer Requirements:

Windows 95, 98, NT, 2000 or Unix Workstation.

BEASY is compatible with existing modelling tools such as PATRAN and IDEAS.

Windows users can also use BEASY's own modelling tools.

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