

wood.

Customers:

80+ customers: operators, engineering contractors, product suppliers

Location:

ECE customers on every continent



Applicable to:

- Flowlines
- Production tubing
- Facilities

Functionality:

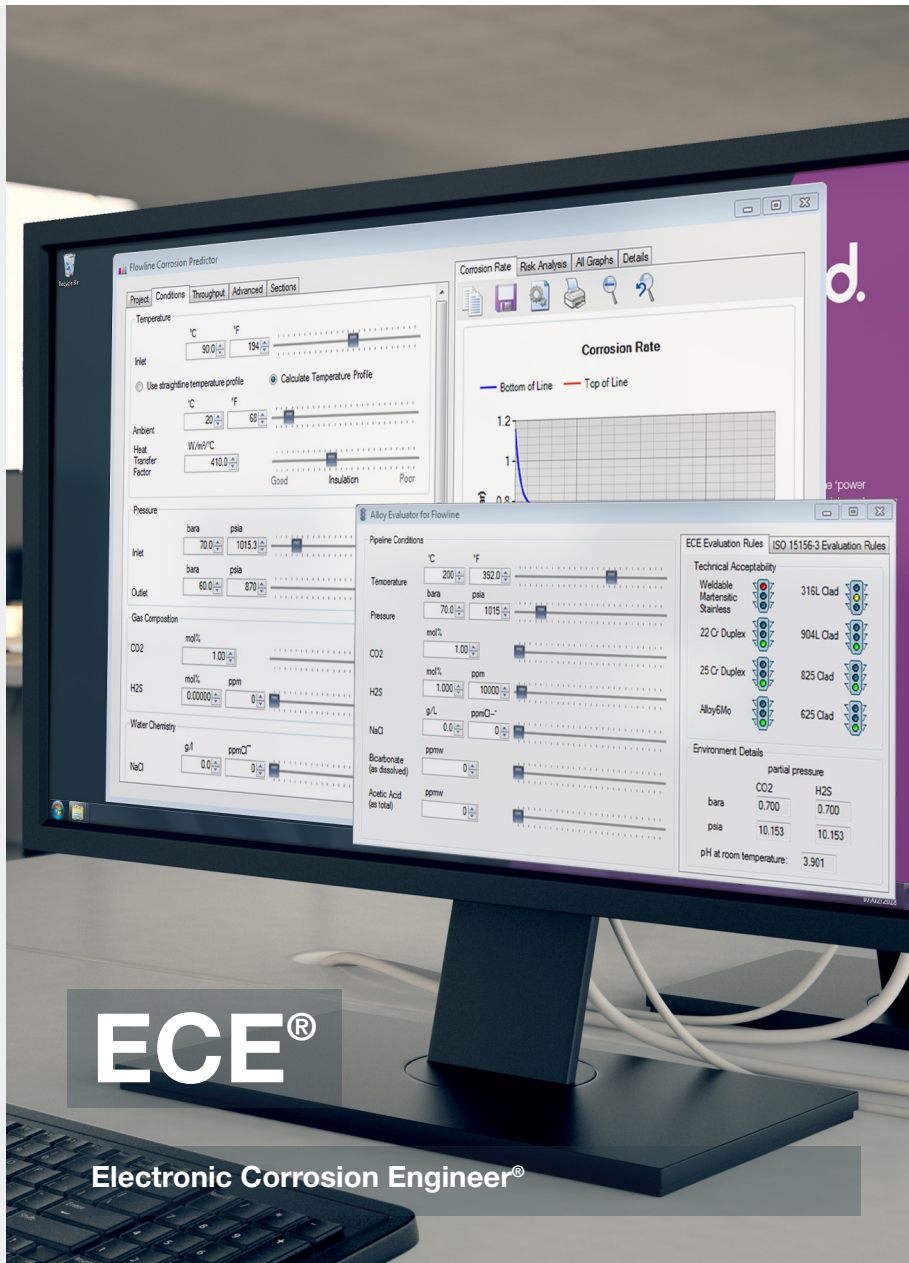
- Quantitative estimation of corrosion rates of carbon steel
- Carbon steel failure risk evaluation
- Selection of alloy materials
- Life cycle cost analysis
- Supplier reference list
- Easy reporting of results
- Extensive, context specific help files
- Multi-stream calculation option using spreadsheet input

Licensing options:

- Single user desktop software
- Server-based floating licences for flexible number of simultaneous users

Contact:

- Email: ece@woodplc.com
- Download an evaluation version at www.woodgroup.com/ece



ECE[®]

Electronic Corrosion Engineer[®]

Used by operators and engineering contractors worldwide, ECE delivers realistic corrosion rate output calibrated to real field data with reliable materials selection rules.

New features in ECE 5.4:

- Erosion tool: a new calculation tool for estimating particle erosion damage, together with corrosion, is provided in the downhole tubing module. This is based on industry standard calculation methods
- Data table output: raw data from the corrosion calculation can be exported as an Excel table showing the corrosion rates as a function of distance or depth, in addition to the existing graphical and tabular report formats. This applies to both flowline and tubing modules
- Bulk calculation: the spreadsheet style input function introduced in ECE 5.3 has been extended to allow inputs of API gravity, acetic acid content and chemical inhibition information for the flowline module
- Corrosion resistant alloy (CRA) selection: the CRA selection tools now allow input of organic acid content for calculation of the pH used in the selection rules

Enhancements in ECE 5.3 included:

- Extended reporting options
- Increased number of calculation points for greater accuracy in longer pipelines
- Extended range of inputs in the alloy selection tools, and assessment of 6Mo stainless steel

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