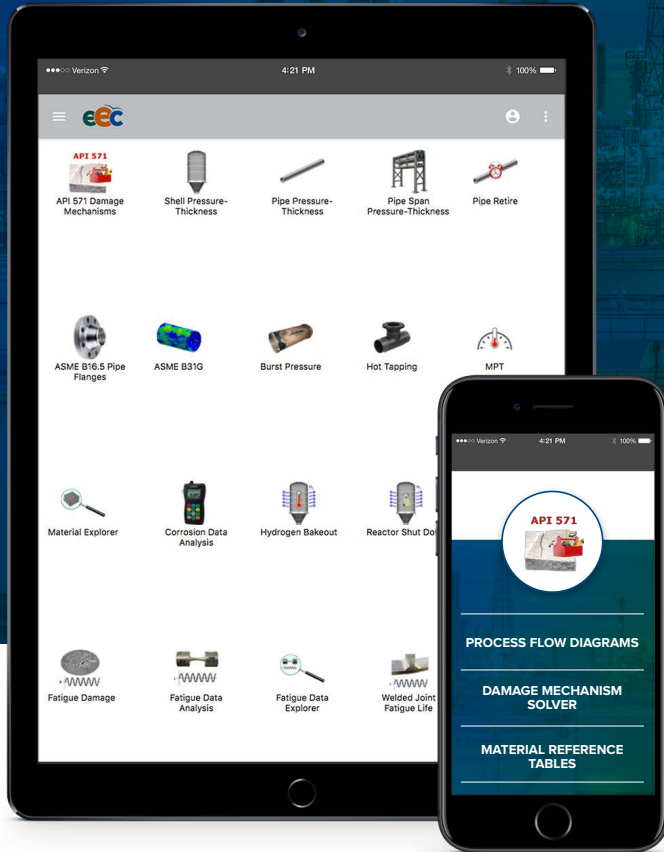




API 571 DAMAGE MECHANISMS FOR THE WEB

A reference guide for identifying and understanding the potential damage mechanisms



PRODUCT FEATURES

PROCESS FLOW DIAGRAMS

Process Flow Diagrams (PFDs) may be accessed from a pull-down menu or from the Solver. Damage mechanisms shown on the PFDs are hyperlinked to the relevant 571 section. Color-coded corrosion loops on PFDs is an enhancement available only in Damage for the web.

DAMAGE MECHANISM SOLVER

Similar to the desktop version, the heart of Damage for the web is the Solver. By selecting filter criteria (process unit, material, operating temperature, source, and morphology), the Solver will quickly identify the possible damage mechanisms from the complete list defined in API 571, highlighting the most likely mechanisms for the selected criteria. The list of damage mechanisms is hyperlinked to the section of the API

571 document pertaining to that mechanism. The document is presented in accordion format for mobile-friendly viewing and includes image links for appearance or morphology of damage.

MATERIAL REFERENCE TABLES

Material reference tables for specifications, chemistry, hardness, fired heater limits, weld, and pump materials are available as sortable tables.

CALCULATORS

In addition to the calculators for sulfidation, H₂S corrosion, and oxidation found in the desktop version, there are additional API 581-compatible susceptibility calculators for amine, sulfide stress, and caustic cracking.

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