INSPECT®

MECHANICAL INTEGRITY AND FITNESS-FOR-SERVICE SOFTWARE

CODEWARE®

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MECHANICAL INTEGRITY AND
FITNESS-FOR-SERVICE SOFTWARE

Contact us to schedule your online software demonstration.

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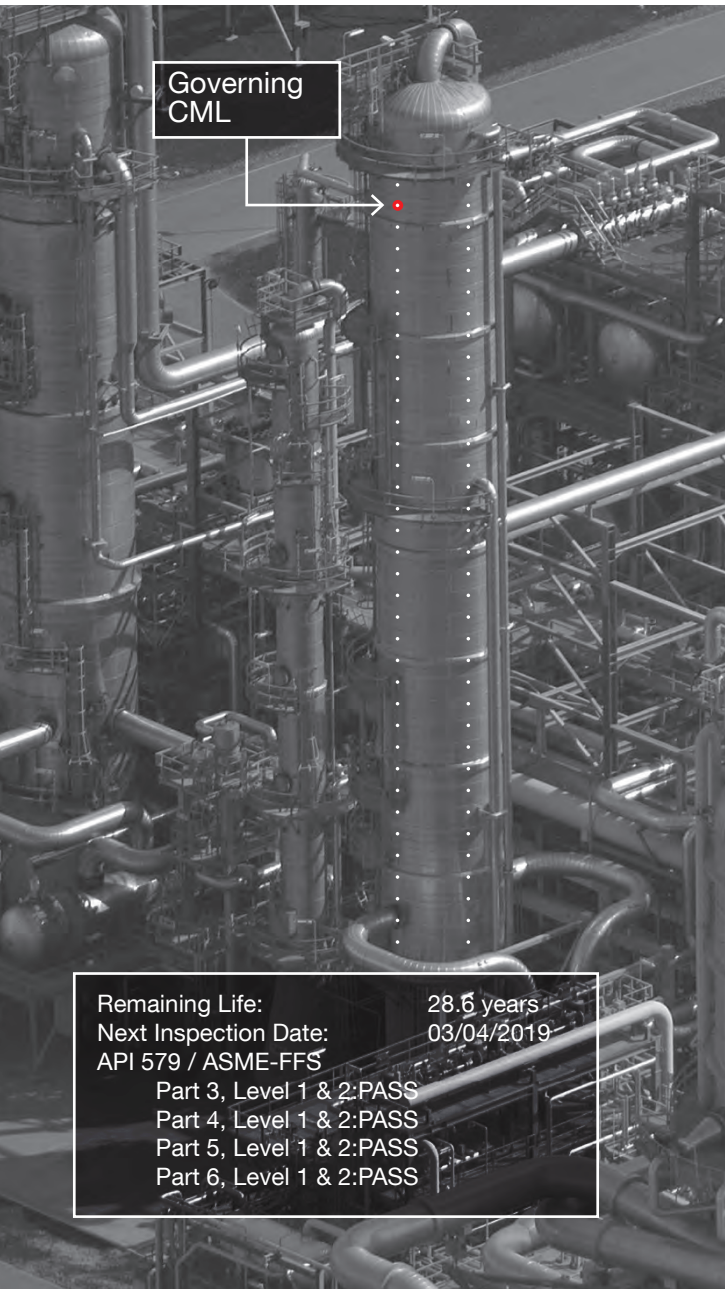
CODEWARE®



INSPECT, an upgrade to COMPRESS®, is specifically designed to help you make "run, repair or replace" decisions for your ASME pressure vessels, heat exchangers and piping. The software tracks your inspection data, calculates remaining life and inspection schedules as well as performs API 579 Fitness-for-Service analysis.

Why INSPECT

Perform API 579 Fitness-for-Service Analysis

For cases where your equipment is outside its original design conditions, INSPECT performs API 579 FFS analysis and provides "run, repair or replace" recommendations and supporting calculation reports.

INSPECT performs Level 1 and 2 API 579 assessments for:

- Part 3 - Brittle Fracture
  (prerequisite for Part 5 and 6)
- Part 4 - General Metal Loss
- Part 5 - Local Metal Loss
  (includes groove-like flaws)
- Part 6 - Pitting Corrosion

INSPECT also addresses supplemental loads for Part 5 and 6 as well as combined local metal loss and pitting.

To support the detailed analysis required by API 579, INSPECT includes all underlying ASME calculations. For example, your equipment's minimum thicknesses (t_{min}) are calculated automatically by our built-in ASME VIII and B31.3 engines.

Prioritize Resources Using API 510

Once your inspection data is uploaded to INSPECT, use our API 510 capabilities to calculate the remaining life and required inspection intervals for all of your vessels and exchangers. Inspection points requiring further API 579 analysis are highlighted on our 3D model with details available in reports. User-based permission controls manage who has access to view and modify your records.

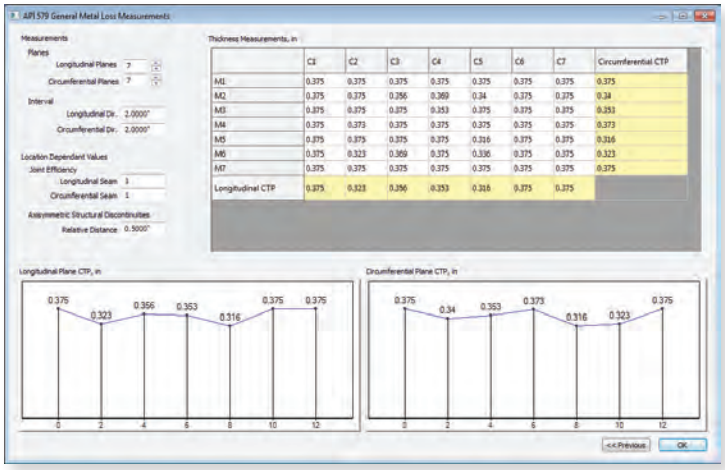
Run "What If?" Remaining Life Analysis

INSPECT offers the ability to perform "What If?" analysis. Determine if it's acceptable to de-rate equipment based on measured or proposed conditions and generate supporting calculations. This results in significant savings when equipment life is extended and unnecessary shutdowns are avoided.

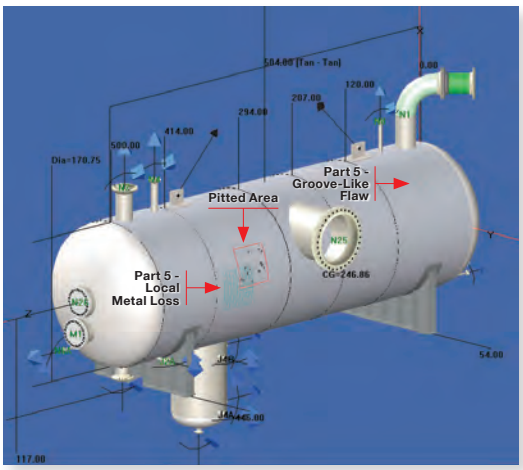
If you're already using COMPRESS and want to upgrade to INSPECT, we will credit your COMPRESS purchase towards the upgrade.

INSPECT Features and Benefits

	Enterprise Network	Standard Network	Standard Single User	Annual Lease
Reporting and Compliance				
API 579 Level 1 and 2 calculations and reports	■	■	■	■
Part 3 - Brittle Fracture	■	■	■	■
Part 4 - General Metal Loss	■	■	■	■
Part 5 - Local Metal Loss	■	■	■	■
Part 6 - Pitting Corrosion	■	■	■	■
Supplemental loads for Part 5 and 6	■	■	■	■
Combined local metal loss and pitting	■	■	■	■
API 510 calculations and reports	■	■	■	■
Minimum thickness calculations (t_{min})	■	■	■	■
Remaining life and inspection intervals	■	■	■	■
Supporting ASME calculations and reports	■	■	■	■
ASME Section VIII, Division 1 (1995 – present)	■	■	■	■
UHX/TEMA 7, 8, 9 Ed. heat exchanger calculations	■	■	■	■
ASME Section VIII, Division 2	Option	Option	Option	Option
ASME B31.3 (supports API 579)	■	■	■	■
All COMPRESS functionality	■	■	■	■
Read/write COMPRESS files	■	■	■	■
3D solid model generation	Incl. w/ Support	Incl. w/ Support	Incl. w/ Support	■
Inspection Data Management				
Automatic/manual inspection point placement	■	■	■	■
Point specific record keeping	■	■	■	■
Thickness survey import (spreadsheet format)	■	■	■	■
Related documents storage (images, etc.)	■	■	■	■
3 and 5 yr. inspection date flagging per point	■	■	■	■
User-based security controls	■	■	■	■
Technical				
Cloud access	Option	Option	Option	Option
Multi-user network license	■	■		
Global license (affiliates, subsidiaries)	■			
Support (1st Year Included)				
Online training	1 Session	1 Session	1 Session	1 Session
Technical support and software updates	■	■	■	■



Local Metal Loss Grid



Combined Damage Mechanisms Modeled

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