INSPECT®

MECHANICAL INTEGRITY AND
FITNESS-FOR-SERVICE SOFTWARE

CODEWARE®

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FITNESS-FOR-SERVICE SOFTWARE

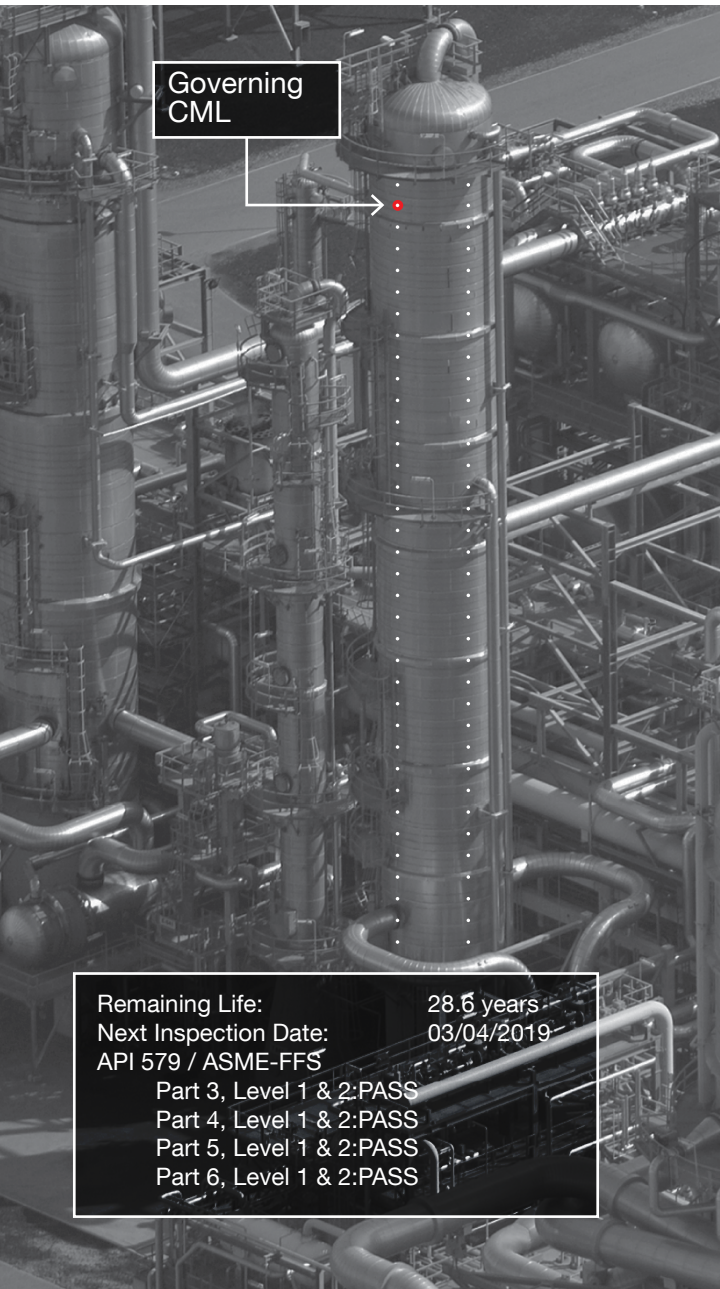Contact us to schedule your
online software demonstration.

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CODEWARE®

Governing
CML

Remaining Life: 28.6 years
Next Inspection Date: 03/04/2019
API 579 / ASME-FFS
        Part 3, Level 1 & 2:PASS
        Part 4, Level 1 & 2:PASS
        Part 5, Level 1 & 2:PASS
        Part 6, Level 1 & 2:PASS

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

	Perpetual License	Subscription
Reporting and Compliance		
API 579 Calculations and Reports		
Part 3 – Brittle Fracture	■	■
Part 4 – General Metal Loss	■	■
Part 5 – Local Metal Loss (includes groove-like flaws)	■	■
Part 6 – Pitting Corrosion	■	■
Supplemental loads for Part 5 and 6	■	■
Combined Local Metal Loss and Pitting	■	■
Part 9 – Crack-like Flaws (FEA based)	■	■
Combined Crack-like Flaws and Local Metal Loss (FEA based)	■	■
3D visual confirmation that equipment and damage are input correctly	■	■
API 510, API 570 and API 653 Calculations and Reports		
Minimum thickness calculations (t$_{min}$)	■	■
Auto inspection point (CML) placement	■	■
Governing CML location highlighted on 3D model	■	■
Remaining life calculations	■	■
Quickly perform piping and vessel de-rating simulations	■	■
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	■	■
Multiple ASME II-D Editions, including consideration of table notes (1995-present)	■	■
ASME B31.3, ASME B31.4 (API 570 and API 579 process and transportation piping analysis)	■	■
Includes All COMPRESS Functionality		
Process piping inspection checklists with user-defined commentary	■	■
Associate API RP 970 Corrosion Control Documents with 3D process loops	Incl. w/ Support	■
Brittle fracture checks as recommended by The National Certified Pipe Welding Bureau (NCPWB)	■	■
Integration		
Read/write COMPRESS files	■	■
Copy and paste inspection data from data loggers	■	■
HTRI® Xchanger XIST Suite® bi-directional interface	■	■
Import ISOGEN® compliant piping systems (.pcf files)	Incl. w/ Support	■
Export smart 3D solid models to Autodesk® Inventor® and SOLIDWORKS®	Incl. w/ Support	■
Import laser scanned piping (.pcf files)	Incl. w/ Support	■
Technical (IT)		
Multi-user network license	■	■
Global license (affiliates and subsidiaries)	■	
Support and Update Service		
Online training	1 Session	1 Session
Technical support (online, email and phone)	■	■
Support Center access	Incl. w/ Support	■
Software updates	Incl. w/ Support	■

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