

# MECHANICAL INTEGRITY

## 5 STEPS TO CERTIFY PRESSURE EQUIPMENT

Today's plant operators require an efficient and cost-effective process for assessing mechanical integrity and documenting jurisdictional compliance. For pressure equipment that has minimal or no design and construction documentation, verify mechanical integrity using these five steps to comply with inspection code and standard requirements:

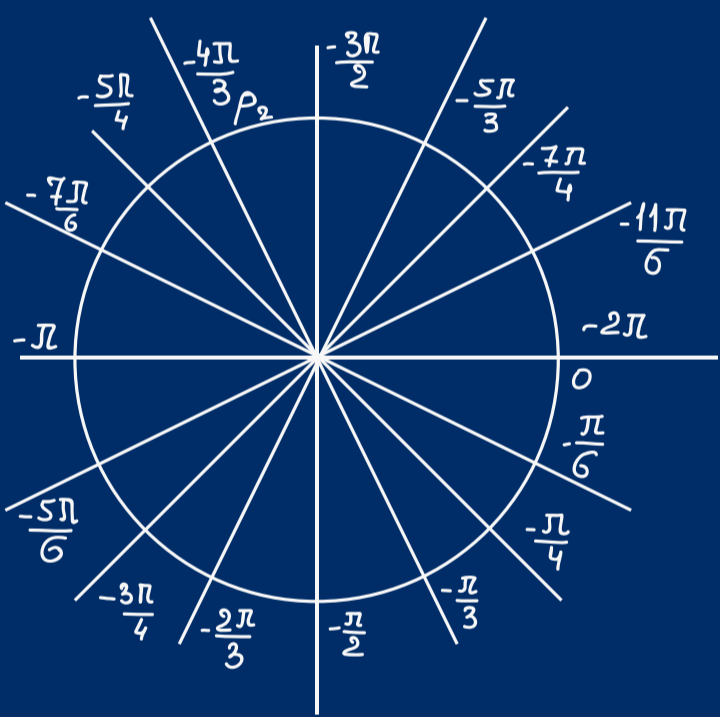
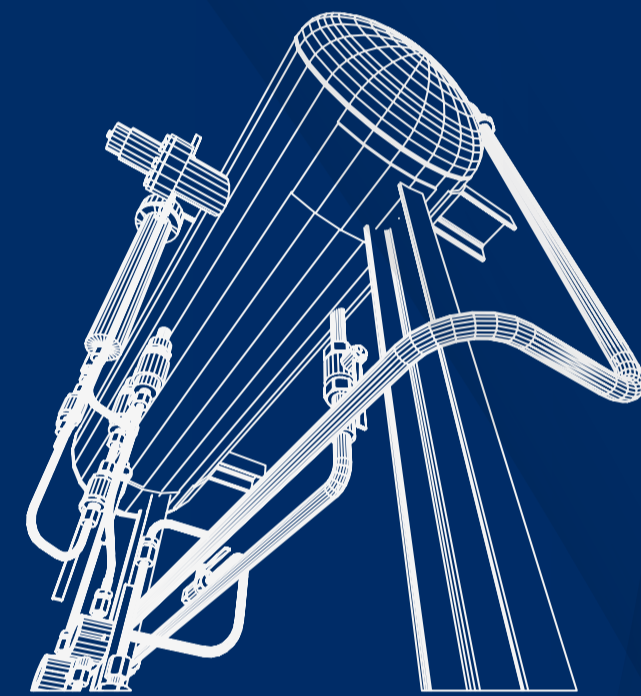


1

Inspect, assess and document the asset's current condition and identify damage mechanisms

Define design parameters and prepare drawings

2



3

Perform design calculations and a fitness for service assessment

Engage an Authorized Inspector to witness and confirm pressure testing requirements

4



5

Once the integrity levels for the maximum working pressure/temperature and minimum allowable thickness is verified and this process is documented, attach the nameplate or stamp the equipment.

What are the requirements for documenting the mechanical integrity of your industrial equipment? Read our insight article on how to comply with API standards and the National Board Inspection Code.

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