

DEASengineering

I.D.E.A.S. reputation in industry, hard-won over 25 years, has been gained through providing pro-active and reactive responsive solutions to customers' new and ageing plant integrity issues. Our enviable track record is thanks to our experienced team of multi-disciplinary engineers successfully offering Plant Integrity and Inspection Support, Integrity Monitoring, Design Verification and Problem-Solving Services on the wide range of petroleum, chemical and process plants.

NOBODY OFFERS BETTER INTEGRITY SERVICES

Using industry accepted field Measurement, Modelling, Analysis and Assessment methods, including Stress, FEA, Flow, CFD, Vibration and Fitness for Service technology, we offer a broad range of support services that can be used to 'design out' problems, validate current plant integrity, predict future life and solve problems not just measure or analyse them. We use our Integri-Tech™ technology to determine Plant Integrity status, find the root cause, offer solutions to system problems or monitor them to mitigate risk. Our service range extends to ensuring your plant integrity is quantified, likelihood of failure is low, and it is Fit For Service. Only I.D.E.A.S. offer services from 'Concept' through to 'End of Plant Life'.

NOBODY OFFERS BETTER DESIGN VERIFICATION

Nothing beats getting it right the first time. We can handle the complex design issues affecting integrity in plant designs that others can't, including multi-variable, combined and interacting loadings. Vibration, Transient fluid flow, Ship loading/Motion, Cevitation, Corrosion, Erosion, Fatigue and Crack Growth are everyday problems to us. Simply put, we work with your team to provide verified design solutions before they become integrity problems during commissioning or operation.

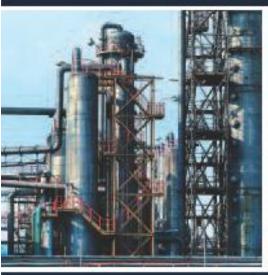
NOTHING MONITORS PLANT LIKE INTEGRI-TECH™

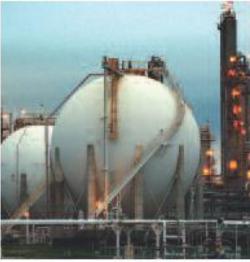
When integrity problems occur on existing plant threatening safety and operation, then rapidly identifying the problem, quantifying it and implementing a robust quantified solution are key to restoring plant integrity and getting it back on-line with confidence and assurance. I.D.E.A.S. make field measurements and feed the results direct to their Integri-Tech™ technology to analyse and quantify the Integrity to determine the true effects of these threats . It's Integri-Tech™s ability to integrate field measurement and complex analysis that provide I.D.E.A.S. with their unique Integrity service to restoring and maintaining plant integrity. Our Integri-Tech™ services provide true Remote Monitoring of your plant to ensure risk mitigation and this puts you in control of Integrity.

NOBODY SUPPORTS YOU BETTER

I.D.E.A.S. Services from 'Concept' through to 'End of Plant Life' include, Design Verification, Plant Integrity Quantification, Measurements & Compliance, Problem Solving and Remote Integrity Monitoring

Integrity Design Verification & Specialist Services
Fitness for Service Assessment, FFS
Ageing Plant Integrity and Remaining Life Assessments, RLA
Plant Life Extension PLE & Life Cycle Analysis, LCA
Plant Integrity Assessment/Compliance through Monitoring, Health Checks and Audits
Plant Integrity/Health & Fitness for Service (FFS) Monitoring, PHM
Structural Integrity/Health Monitoring, SHM
API 579 & BS 7910 FFS Level 1, 2 and 3 Assessments
Vibration & Fatigue Monitoring & FFS
Piping and Small Bore Branch (SBB) Vibration & Fatigue Life Assessment
Corrosion & Erosion FFS & RLA Assessment on Piping, Risers, Tanks and Pressure Vessels
Plant Integrity Problem Solving
Damage, Defect, Fracture, Fatigue, Fitness for Service & Life Assessments
Vibration and Modal Analysis
Vibration, Temperature, Static & Dynamic Flow Analysis and Measurements/Monitoring
Flow, Transients, Slugging, Pulsation Measurements & Monitoring & FFS
Gas Compression System Acoustic Pulsation, Flow and Vibration Monitoring
Column, Tank & Sphere Assessments, Monitoring & Automated FFS
Ground Settlement Effects Monitoring & Automated FFS on Tanks & Pipelines
Storage Tank and Pipeline FFS Assessments and Monitoring
Displacement, Load, Strain, Motion Monitoring
Spring Hanger Weighing & Monitoring
High Energy Piping FFS Assessments and Monitoring
Fire & Explosion Assessment & Damage Assessments
Stress, Finite Element, Structural Analysis and Integrity Assessments
Design & Operational Compliance Assessments of Piping, Pressure Vessels and structures
Gas Compression Systems API 618 and Design/Analysis assessments
Engineering Stress, How & Vibration Analysis
Heat transfer and Thermal Assessments
Computational Fluid Dynamics - Steady state and Transient Flow Analysis
Acoustic Pulsation Studies and Analysis
Acoustic Entirus Studios and Analysis







DEAS engineering

Maintaining Plant Integrity through Design, Inspection, Fitness for Service & Monitoring

More Quantification

More Confidence

More Speed

More Support

More Value + Less Risk

11 Marine Crescent, Glasgow G51 1HD United Kingdom
Tel: +44 (0) 141 429 7727 Fax: +44 (0) 141 429 3269
Email: sales@ideas-eng.com
www.ideas-eng.com
www.integri-tech.com



