

Workstrings Engineering Services

Workstrings International® has a staff of Engineers to support domestic and international projects by providing the following services to our customers:

String Design Modeling

Collaborative string design using industry standard torque and drag modeling software that considers trajectory, rig equipment, hydraulics, slip-crushing limitations, drilling parameters, and any other identified parameters or constraints to optimize a design to work for each particular section and project.

Tubular Performance Analysis

An in-house developed calculator as per API 5C3 utilized to evaluate tension, torsion, burst, and collapse of tubulars and accessories, with or without biaxial loading.

Historical Modeling Calibration

Review of actual drilling data to validate and calibrate future design modeling.

Connection Analysis

Evaluation of the mechanical properties of API and proprietary connections.

Specialty Tool Design

Solutions and specialty work string tools and accessory designs, including custom crossovers, lift subs, side-entry pump-in subs, and many others to meet unique well, rig, and operational challenges.

Failure Analysis

Assist Operations and QA/QC teams with failure and root cause analysis.

Slip-Crushing

Calculations that consider actual slip design, length of die contact with the pipe, pipe dimensions, and yield strength that are backed by physical load testing.



Engineering Support

- Optimized Tubular Project Design
- Torque and Drag Modeling
- Hydraulics Modeling
- Landing String Design
- Reduced Collapse Calculations
- Tubular Connection Analysis
- Finite Element Analysis
- Project Management

Deep Inventory. Even Deeper Expertise.



Scan Code for all of our
current specification sheets

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