

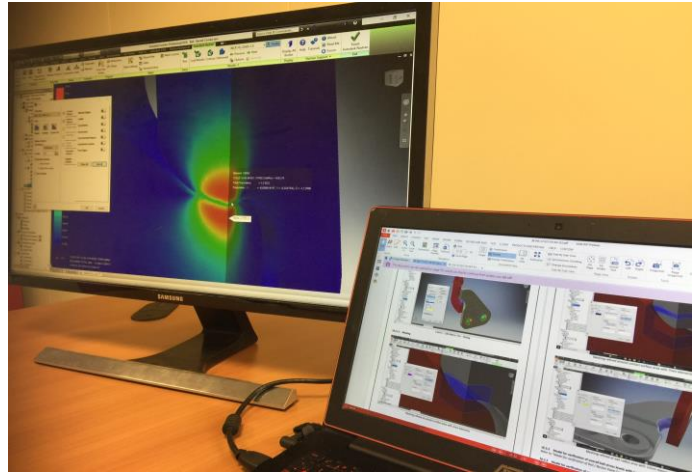
Engineering & Design

Drilling Structure & Custom Solutions

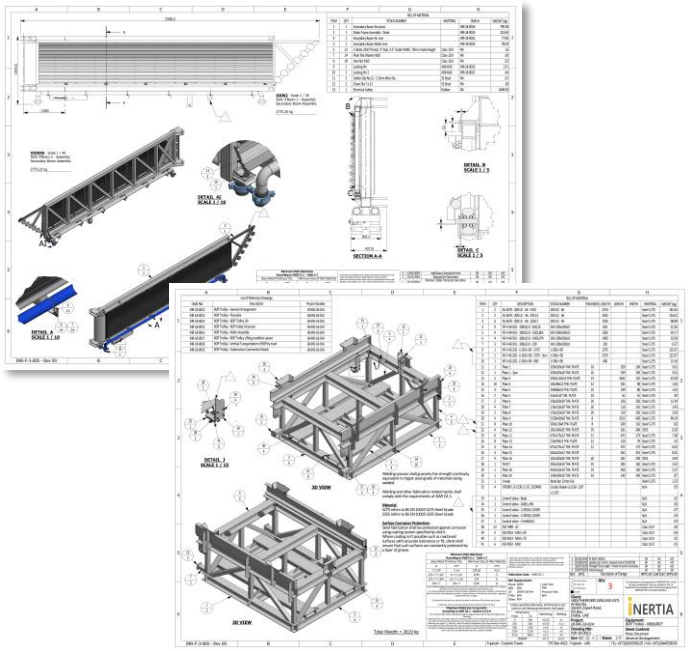
Temporary solutions often become permanent problems! This is why INERTIA's design and engineering services are provided with high considerations for long terms equipment and solution reliability, as well as rig personnel safety. Our in-house engineering department covers a range of diverse disciplines allowing us to deliver on turnkey design packages.

Typical objectives:

- Improvement of existing drilling structures performances:
 - Increased hook load
 - Increased racking capacity
 - Increased substructure clearance
 - Fast moving rig upgrade
 - Derrick / Mast extensions
 - BOP Handling Upgrades
- Integration / upgrade of drilling equipment
- Rating study of existing structures
- Design & development of custom solutions



- Dimensional site surveys
- Feasibility studies
- Front End Engineering Design (FEED)
- Structural Analysis
- 3D Modelling & Detailed Drawings
- Finite Element Analysis (FEA)
- Incident investigation simulations
- Design Codes covered:
 - API Spec's (4F, 7K, 8C, etc.)
 - DNV 2.7-1 / 2.7-3
 - ASME
 - AISC
 - Etc.





INERTIA

INERTIA HOLDING SASU

Head office, Pole Innovation

18bd Guillet Maillet

17100 Saintes

France

INERTIA FZ LLC

Marina Plaza, Level 29

Dubai Marina

Dubai

United Arab Emirates

For any query, please contact us at the following:

contact@inertiame.com

FR +33 (0) 6 74 19 76 68



<https://inertiame.com>



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