

HELDENBRAND DESIGN GROUP

ENGINEERING SERVICES

ENGINEERING DESIGN DRAFTING

Lafayette, LA: 337.761.6100

Houston, TX: 281.903.5300

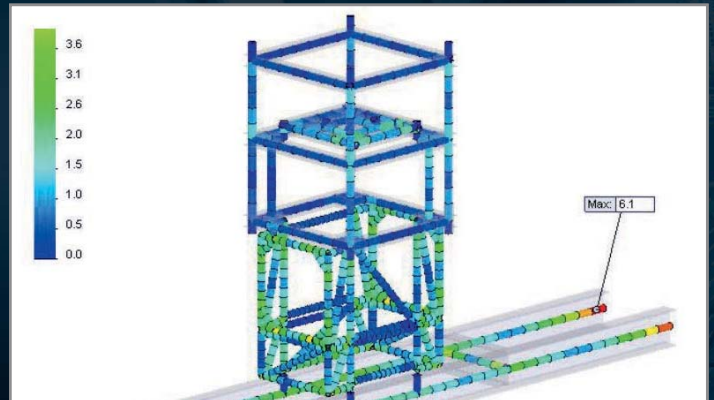
WWW.HDG-LLC.COM

LET US BE YOUR EXPERIENCED & DEDICATED SOURCE FOR ENGINEERING, DESIGN, & DRAFTING SERVICES



STRUCTURAL ANALYSIS & F.E.A.

We can provide a wide range of engineering Finite Element Analysis (F.E.A.), including structural AISC analysis as well as detailed part/assembly F.E.A. Analysis & F.E.A. can help to ensure your product is safe while still being economical. Structural analysis can be used for skid & lift analysis, as well as for equipment operational & rig-up analysis to verify your equipment will hold up in the field.



3D DESIGN, ANIMATION & 2D->3D

CAD services include 3D modeling & design. We can create a fully developed set of 3D models from nothing more than a "back of a napkin" concept. Or if you already have legacy 2D drawings, we can convert your old 2D drawings into fully parametric 3D models & drawings that update "live" with changes in the 3D models. We can also provide 3D animations with HD render video quality.

DRAFTING SERVICES

Drafting services can be provided using multiple 3D or 2D CAD platforms. We can provide you with complete 3D model based drawing packages for fabrication, assembly, lifting, general arrangement. We can also use your own 3D models to create drawings, or help make modifications to your company's existing drawings. Whatever your drafting needs are, we can help.



DNV 2.7-1/3 & SEPCO LIFTING

We can engineer & design skids or baskets to meet DNV 2.7-1 or 2.7-3 specifications. We provide all drawings & calculation documentation required for DNV approval through DNV or LLOYD's. We can also provide SEPCo lifting certification forms which will also meet lifting requirements for API / BP / BHP. We additionally provide equipment operational analysis for offshore G.O.M. as well.



VESSEL, PIPING & PROCESS DESIGN

We can provide engineering, design & drafting for process equipment. Vessel code calculations are performed to ASME VIII Div 1 or 2, and piping stress analysis to B31.1 thru B31.8. We also offer package design on separator packages & related equipment to DNVGL-OS-E201. Additionally, we can perform complex vessel analysis such as loadings for transportation, fatigue & even explosive blast.

ADDITIONAL SERVICES

At HDG we can also provide:

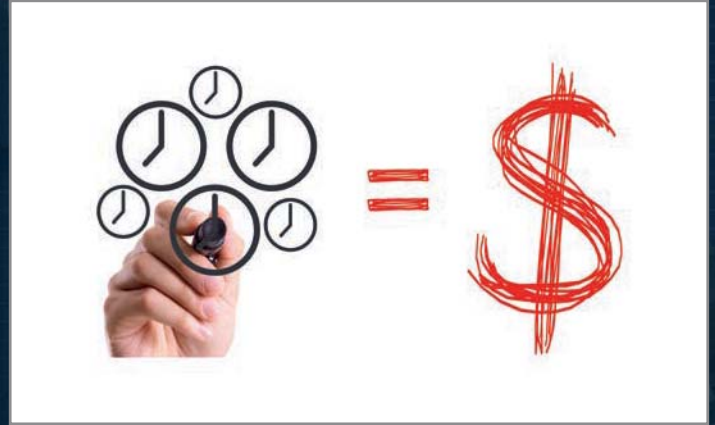
- 3D printing & prototyping
- HPU & skid package engineering / design
- LARS, winch, & marine equipment design
- Engineering / design to API standards
- Resonant frequency analysis
- Building / structure blast analysis
- ... and more!



**OUR ENGINEERING SOLUTIONS ARE FOCUSED ON DESIGN FOR
MANUFACTURABILITY, OPERATOR USE, & EASE OF MAINTENANCE**

WE CAN SAVE YOU TIME & MONEY!

Why go to a large EPC firm looking for a solution to your engineering & design project??? Instead let us save you time, money, and headaches by being your dedicated source for focused engineering, design & drafting services. At HDG we were built on small projects, and we will give all projects, big or small, the attention they deserve! And for clients with existing in-house engineering & design, we can supplement your needs to help with project overflow and timeline constraints as well.



DNV, API, ASME, ABS, LLOYD'S REGISTER

In today's industry, safety and reliability are paramount. Your customers want to see that your equipment has been engineered & designed to the specifications they trust. That's why we can provide your company with engineering & design solutions which are performed in strict accordance to many specifications & classing societies, including DNV, API, ABS, ASME, LLOYD'S. We can provide solution packages which contain all required documentation including drawings & analysis/calculations.



EST. 2010 - Licensed and Insured

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