

# HITARD

## ENGINEERING



oil & gas engineers

# YOUR ENGINEERING PARTNER

since 1995

Hitard Engineering is a leading European engineering company with over 30 years of experience, specializing in the design and analysis of heat exchangers, pressure vessels, air coolers, and other types of process equipment, providing reliable and efficient solutions in line with the highest international standards.

### WHAT WE DO

-  **Thermal design and rating**  
Pre-engineering / Tender phase  
Setting plans & Shopping list
-  **Detailed engineering phase**  
Mechanical design calculations  
Fabrication drawings package
-  **Studies & Consulting services**  
3D-Modeling design  
Pipe Stress engineering  
Documents Edorsement / Certified engineers

### FOR EQUIPMENT

- Shell and tube heat exchangers**
  - Bullets & Spheres
  - Reactors
  - Double pipe heat exchangers
  - Separators
  - Plate heat exchangers
  - Filters and Strainers
- Hairpin Heat Exchangers**
- Air coolers**
- Waste Heat Boilers**
- Pressure Vessels & Drums**
  - Skids & Modules
  - PIG Launchers & Receivers
  - Piping
  - Structural
- Columns & Towers**
- Steam Surface Condensers**



### CONTACT US

- **Office Netherlands**  
Karel Doormanstraat 75 3012 GD Rotterdam  
P.O. Box 1700, 3000 BS Rotterdam, The Netherlands  
Tel: +31 (0)10 4330 331 +31 (0)10 4330 336  
Email: info@hitard.nl
- **Office Serbia**  
Novosadskog Sajma 2, 12th floor  
21000 Novi Sad, Serbia  
Tel: +381 (0)21 427 125 +381 (0)21 452 917  
Email: info@hitard.com

### WHAT WE USE

-  **Latest Codes and standards**  

ASME VIII Div. 1 & 2	ASME B31.3 Process Piping
EN 13445 / Eurocodes	GOST 34233 Standards
AD-2000 Regelwerk	<b>RToD / Stoomwezen</b>
CODAP Div. 1 & 2	<b>TEMA &amp; API Standards</b>
BS codes / PD 5500	PED 2014/68/EU and
AS-1210 S1 & S2	PESR Regulations

### Design calculations software

- HTRI Xchanger Suite** | Finglow software
- Compress | CAESAR II
- PVElite / CodeCalc** | TechnoSoft AMETank
- AutoPIPE Vessel** | VES / RToD
- Amtec / Temes fl.cal | **Dlupal software**
- FEPipe / NozzlePRO | Hitard in-house software

### CAD tools

- Autodesk **AutoCAD** | Pro/Engineer / PTC Creo
- Autodesk **Inventor** | Designer/One Space
- Dassault SolidWorks | CADWorks

### ADVANCED DESIGN **FEA - CFD - FFS**

Using FEA, CFD, and FFS, including fatigue life analysis, we deliver comprehensive engineering solutions for complex structures and equipment.

Whether assessing local stresses, analyzing fluid dynamics, or ensuring fitness for service, we deliver precise results and optimized designs.

### **Midas NFX Advanced**

- Ansys
- Creo Simulate
- Dlupal RFEM
- FE-Pipe / Nozzle-Pro**
- Inventor Nastran
- Siemens FloEFD





# TRUSTED BY THE BEST IN THE BUSINESS


**HITARD ENGINEERING** was established in 1995 in Rotterdam, specializing in the design and engineering of process equipment and plants. With over three decades of experience, we have become a trusted partner in the industry.

Our journey of growth led to the opening of a Qatar office in 2003 and later the establishment of our Novi Sad office in 2006, in partnership with the Faculty of Technical Sciences. We are proud of our collaborations with educational and research institutions in The Netherlands and Serbia.

Throughout the years, we have contributed to major projects for leading petrochemical companies such as Shell, BP, Equinor, Sabic, TotalEnergies, ExxonMobil etc.

Investing in continuous learning, our engineers stay at the forefront of the industry through advanced training and expertise in advanced software. This strong foundation firmly drives our commitment to innovation and excellence.