



# 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

### FOR EQUIPMENT

#### Shell and tube heat exchangers

Double pipe heat exchangers  
Plate heat exchangers

Hairpin Heat Exchangers

Air coolers

Waste Heat Boilers

#### Pressure Vessels & Drums

Columns & Towers

Steam Surface Condensers

Bullets & Spheres

Reactors

Separators

Filters and Strainers

#### Storage Tanks & Silos

Skids & Modules

PIG Launchers & Receivers

Piping

Structural



### CONTACT US

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### WHAT WE USE



#### Latest Codes and standards

ASME VIII Div. 1 & 2  
EN 13445 / Eurocodes  
AD-2000 Regelwerk  
CODAP Div. 1 & 2  
BS codes / PD 5500  
AS-1210 S1 & S2

ASME B31.3 Process Piping  
GOST 34233 Standards  
RToD / Stoomwezen  
TEMA & API Standards  
PED 2014/68/EU and  
PESR Regulations



#### Design calculations software

##### HTRI Xchanger Suite

Compress

##### PVElite / CodeCalc

##### AutoPIPE Vessel

Amtec / Temes fl.cal

FEPipe / NozzlePRO

Finglow software

CAESAR II

TechnoSoft AMETank

VES / RToD

##### Dlupal software

Hitard in-house software



#### CAD tools

Autodesk AutoCAD

Autodesk Inventor

Dassault SolidWorks

Pro/Engineer / PTC Creo

Designer/One Space

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

Creo Simulate

Dlupal RFEM

#### FE-Pipe / Nozzle-Pro

Inventor Nastran

Siemens FloEFD

ISO 9001  
ISO 14001  
BUREAU VERITAS  
Certification





# 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.