



# **ENGINEERING** PARTNER =

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 WHAT WE USE



#### 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 Document Edorsement / certified engineers

## **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

**Bullets & Spheres** 

Filters and Strainers

Storage Tanks & Silos

Skids & Modules

PIG Launchers &

Reactors

Separators

Receivers

Structural

Piping

### **CONTACT US**

Condensers

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#### 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 CAFSAR II

TechnoSoft AMETank VES / RToD

Dlubal 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.

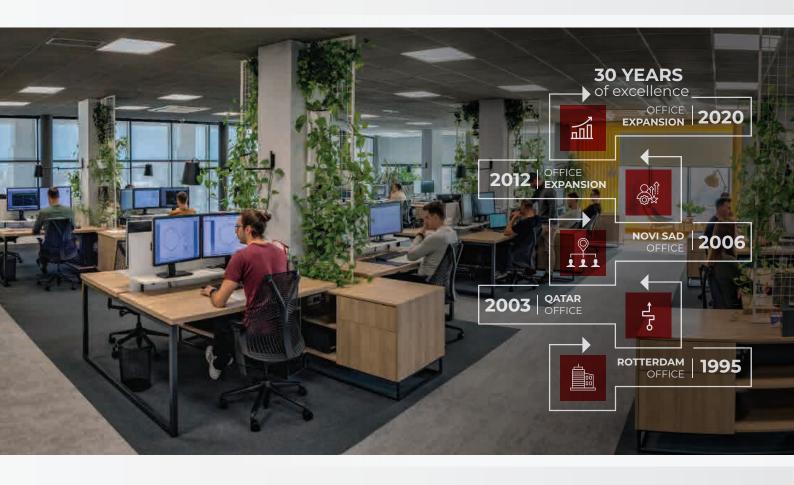
Whether assessing local stresses, analyzing fluid dynamics, or ensuring fitness for service, we deliver precise results and optimized designs.

#### Midas NFX Advanced

Ansys Creo Simulate Dlubal RFFM 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.