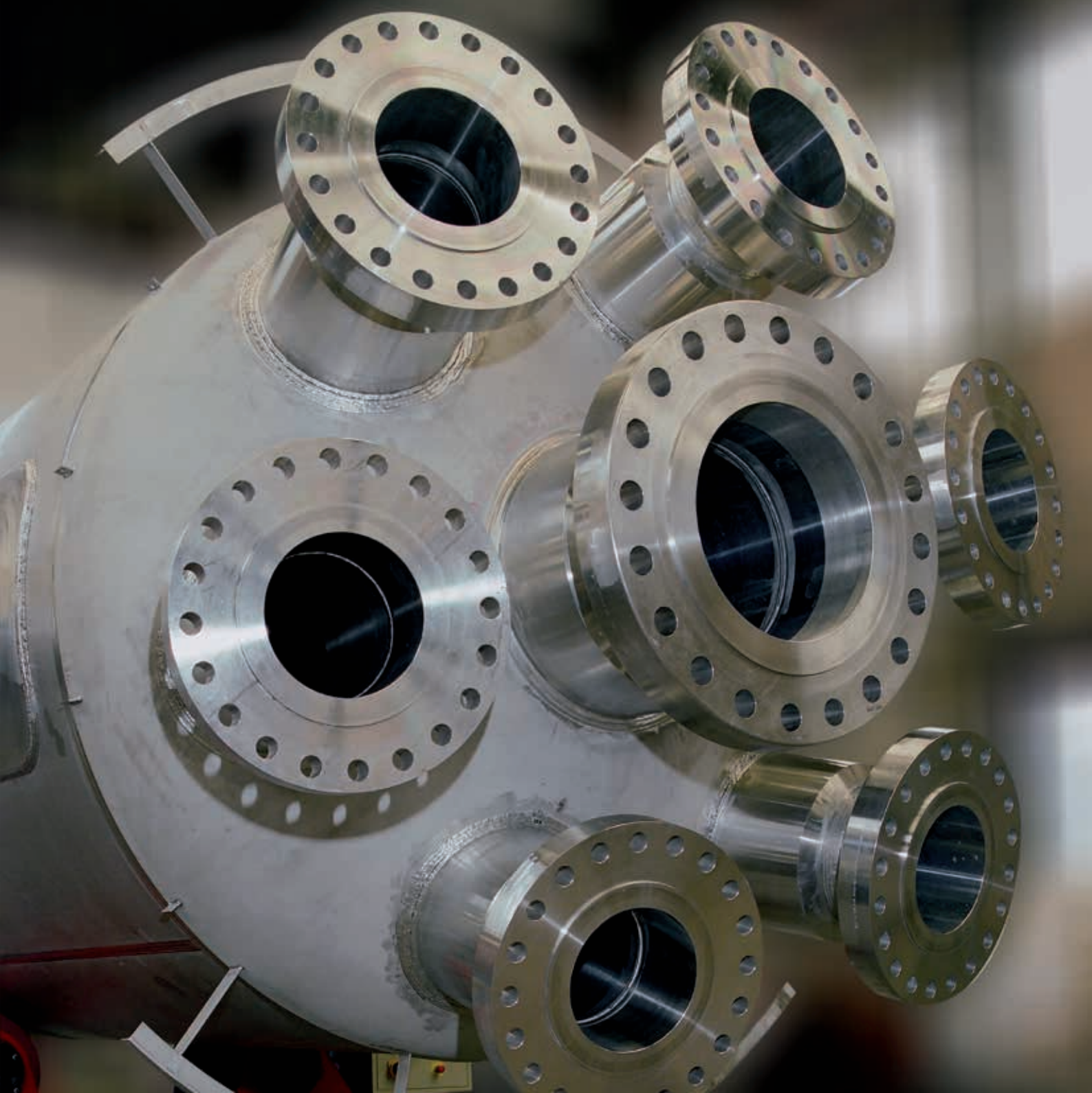




**FIB** *industries*

Process and pressure equipment

an **ANDUS** group company



# FIB Industries

## Complete service

Since it was established in 1946, FIB Industries has grown to become a major player in the process and pressure containing equipment market. All over the world, FIB Industries delivers stainless steel and high alloy materials that are essential components of high tech equipment.

## Markets

FIB Industries is working in the following markets:

- Petrochemical
- Chemical
- Offshore / Oil & Gas
- Maritime sector
- Pharmaceutical
- Pulp & Paper
- Food
- Sulphur, Sulphuric Acid, Phosphates
- Fertilizer
- Ammonia
- Methanol
- Melamine
- Amine

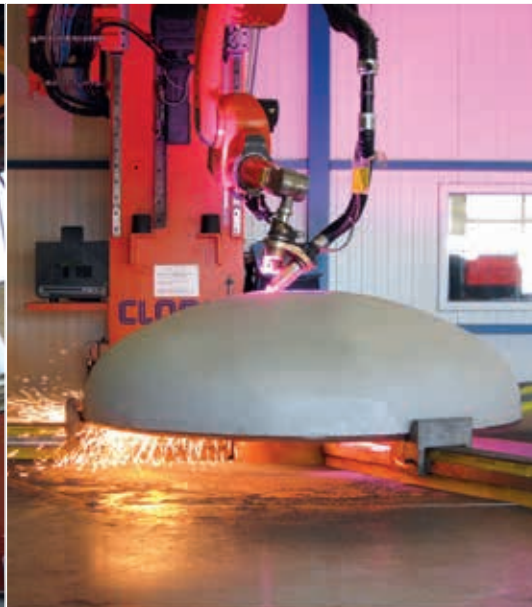
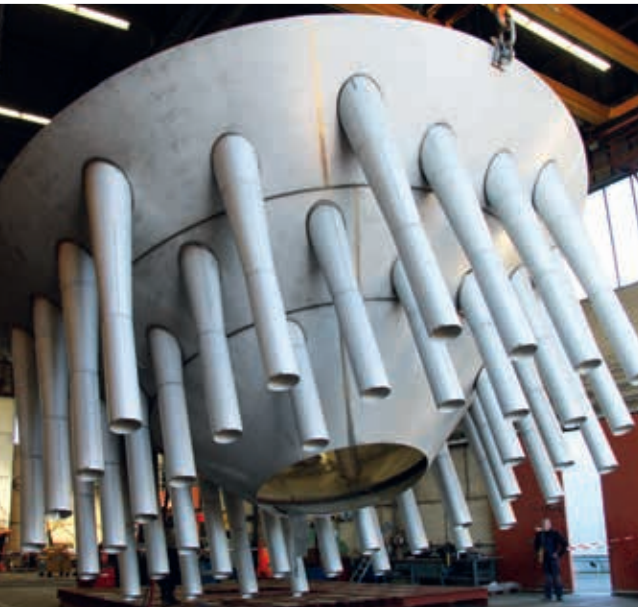
## We manufacture performance

The right equipment forms the backbone of any critical process installation. We understand, that you do not want any unscheduled maintenance or unplanned production interruptions.

Our in-house engineering department is used to overcome the most critical process conditions and can advise on the best mechanical design for all process circumstances:

- High pressure or full vacuum
- High or low temperature
- Cycle fatigue
- Agitator torque and nozzle loads
- FEA
- HTRI
- Material resistance
- Fabrication technology using all common codes
- Welding procedures

To save complex, time consuming and costly on-site work, FIB Industries can deliver fully dressed equipment and provide the following services: insulation, internals, agitators and ladders and platforms. Size of the equipment is not a challenge to us; we are right next to open water, so transportation is always feasible.





## Complex equipment: a critical part of a process installation

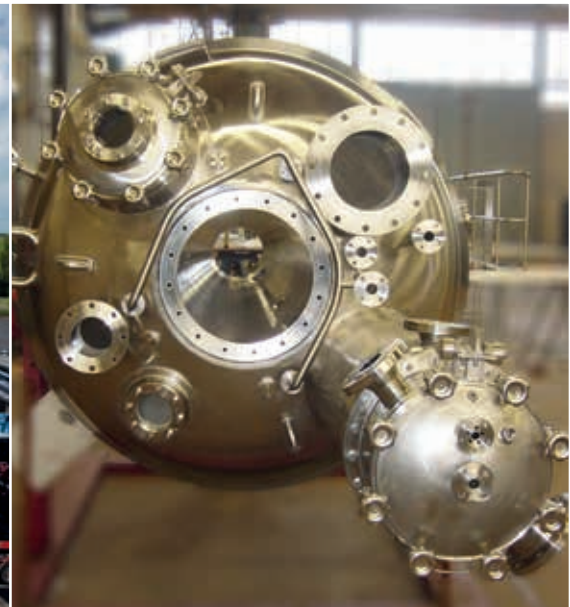
FIB Industries supplies a.o:

- Reactors
- Marine scrubbers
- Columns
- Storage tanks
- Crystallizers
- Fermenters
- Gasification burners and low-NOx burners
- DeNoX Modules
- Hydro-processing reactor internals
- Pulper drums
- Pressure vessels
- Flare installations
- Heat exchangers

## Materials

Throughout the world, FIB Industries installs customized stainless steel and high-alloy products, which are vital components of technically complex installations. The products are made from materials such as:

- Stainless steel: 6MO; 254SMO; 1.43xx; 1.44xx; 1.45xx; 1.49xx
- Duplex; Super Duplex; Lean Duplex LDX; SAF 2507
- Titanium: as a solid material or as cladding
- Inconel



## Design codes

Production takes place according to international design codes and quality requirements:

- ASME SEC. VIII Div. 1,2,3
- EN-13445 [PED]
- EN 14015
- RToD [Stoomwezen]
- CODAP
- AD2000
- PD-5500
- GB-150 (China)
- API-560, 620, 650
- NORSOK
- BS 2654

## Certification

- ISO 9001:2015
- PED H, H1
- ASME U, U2, R
- CML China Manufacture License
- EN 3834-2

## Practical information

The combination of modern machinery, highly qualified teams and many years of experience makes FIB Industries a versatile and flexible partner for the process industry. FIB Industries is located in Leeuwarden, the north of the Netherlands, alongside the Van Harinxma canal with access to all major seaports in Western Europe. Large and heavy products can be shipped from our own quay.

**Established:** 1946

**Company premises:** 55.000 m<sup>2</sup>

**Workshop:** 13.500 m<sup>2</sup>

**Maximum diameter:** 9 meters

**Maximum length:** 45 meters

**Maximum weight:** 300 tons

**Maximum height:** 20 meters



*We manufacture performance*



# Serving the industry



## Refractories

Gouda Refractories  
Gouda Vuurvast Belgium  
Gouda Vuurvast Services  
Gouda Feuerfest Deutschland

## Steel Structures

HSM Offshore  
HSM Steel Structures  
Lengkeek Staalbouw  
RijnDijk Staalconstructies

## Specialties

Armada Mobility  
FIB Beer Systems  
FIB Industries  
ISS Projects Slovakia  
Van Voorden Foundry

## Part of a greater whole

FIB Industries is part of Andus Group, an international operating holding company. The subsidiaries of Andus Group have one aim: Serving the industry. And they have one characteristic in common: to be the best within their own specialisation. On specific projects, group companies work together, combining their experience and resources.

The ambition is clear: the Andus Group companies are always aiming to achieve maximum client satisfaction. This requires high quality, experienced and skilled project management and the use of innovative methods when designing, producing and realising projects. That is why Andus Group can continue to further strengthen their possibilities at the top of the different market segments.

In short: Andus Group is a powerful and reliable partner completely geared to your success.



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