



# ANDUSTRY *news*

NO. 1 | JUNE 2015

ANDUS GROUP SERVING THE INDUSTRY

**ANDUS** *group* companies:

## *Manufacturing*

FIB Industries

Gouda Refractories

Nedstaal Special Steel

Van Voorden Castings

## *Services & Maintenance*

Gouda Vuurvast Belgium

Gouda Vuurvast Services

Gouda Feuerfest Deutschland

ISS Projects Slovakia

Lengkeek Staalbouw

## *Contracting*

Armada Janse

Armada Mobility

Armada Rail

HSM Offshore

HSM Steel Structures

RijnDijk Construction

## GLOBAL SUCCESS

In May we presented our 2014 Annual Report, which can be downloaded from our website. In summary, we can say that 2014 was a year of excellent financial results, with a major, successful acquisition in the last quarter – something to be proud of!

The acquisition of Nedstaal has resulted in changes in the regional turnover distribution of Andus Group. In the Netherlands, the turnover further decreased to 27% of the total turnover. Europe now accounts for a little over half of the turnover (56%), while the remaining part (17%) is generated in the rest of the world. Our products and services are sold in six continents and our ship propellers travel all over the seas worldwide. It is therefore safe to say we are a world-class player in our field.

This new turnover distribution

definitely benefits the continuity and risk profile of Andus Group. However, it also results in many of our employees having to spend a lot of time abroad, sometimes even weeks or months on end. Of course, this is 'part of the job', but still, we know that travelling and staying abroad is not always as easy and fun as it sounds. Therefore, we take this opportunity to thank all of our travelling Andus ambassadors for spreading our message and building our success abroad. At the same time we want to make sure to remember the families as well, because it is not always easy

for those back home. They deserve a big thank you as well.

This special summer edition of Andustry news focuses on our fantastic international projects, which illustrate how our solid Dutch manufacturing industry has managed to secure successes far across our national borders.

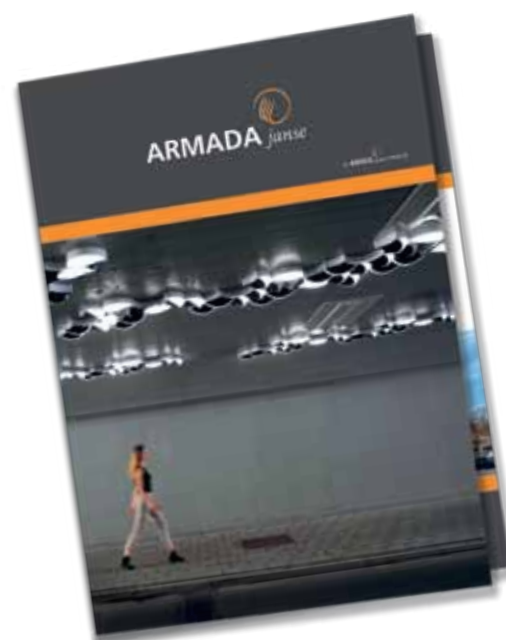
Have a wonderful summer!

Tom van Rijn  
CEO

## NEW CORPORATE IDENTITY

In early 2009 the RijnDijk Group changed its name to Andus Group and we introduced our current logo. These changes came as a result of the acquisition of Gouda Vuurvast in late 2008. Fast-forward six years and the acquisition of Nedstaal provides us with a good opportunity to alter our corporate style a little bit. The dark grey and orange shades that characterise both Nedstaal

and the Andus Group will now be displayed even more prominently in all communication materials. The result? A more contemporary and powerful look and feel. There is no better way to showcase our group's solid reputation. This edition of Andustry news, which also has had a makeover, gives you a taste of our new corporate identity.







## CUSTOM STEELWORK

Just like the Andus Group, about 75% of Nedstaal's orders are placed by customers from Germany, Italy and France. In these countries, the high-quality steel we provide is processed into products for the automotive sector, mechanical engineering, energy, offshore, mining and rail infrastructure. A few examples? Ball bearings, guide rods, motors, crankshafts, flanges, brake discs, train undercarriages etc. These are all key parts which must meet 'zero-defect' standards. Daimler, MAN, Caterpillar and SKF are only a few of the many manufacturers that use Nedstaal steel parts.

Nedstaal's strength is its know-how and ability to come up with technological developments. An example is the special mangalloy ordered by a French client. This steel needed to be so hard that it could not be sawn, which posed an additional challenge for our production department. The steel blooms delivered needed to be extra short, because they could not be cut

at a later stage. This mangalloy is used in the construction of prisons, among others.

### Stealing the show

Another example is the development of a new steel alloy for STB Stahlhammer Bommern, a forge in Germany. This company produces crane hooks to carry the heaviest of weights. Needless to say,

absolute reliability is a must. STB was confronted with new quality standards for crane hooks which included even stricter mechanical properties. In order to meet these requirements, STB joined forces with the Nedstaal experts about a year and a half ago with a view to developing a new type of steel. Following a design and testing phase, which was rather complex

because the mechanical properties of steel tend to change upon further processing, Nedstaal and the client managed to jointly develop the perfect steel for the job. The result even goes beyond the requirements – or 'Besser als die Norm' as STB puts it on its website.

## NO SEA IS TOO DEEP FOR HSM

When crossing the HSM Offshore sites and production halls, you cannot but be impressed with all those sky-high, shiny constructions that will eventually make their way to secluded parts of the North Sea, the Irish Sea or other remote marine locations across the globe. Once on site, they can withstand the power and brine of the roughest of seas for years. These incredible achievements in international waters simply had to be included in this international edition of Andustry news.

In late March 2016 a transformer platform will leave the HSM quay in a 400-ft barge and set sail for Esbjerg in Denmark on behalf of the client, Energinet.dk. There it will be installed in the large 'Horns Rev 3' offshore wind farm. This 4-deck transformer platform weighs approximately 1,800 tonnes and measures 40 m by 26 m by 34 m (length/width/height). It will include an aluminium helideck supplied by Bayards. Needless to say, it is always a pleasure to join forces with other Dutch companies!

### Installation at sea

This brief factual description

makes it sound like a simple project, when in reality, it is anything but simple. After all, the 'purchasing phase' and detail engineering were no mean feat, as it included tanks, fire-extinguishing installations, generators, a crane, containers, a kitchen, a lifeboat, you name it. Energinet decided the transformers will be installed at sea rather than at HSM in Schiedam. This will reduce the weight to be transported. In order to ensure that the installation at sea is completed swiftly and seamlessly, a mock-up will be made available and installed at HSM temporarily. Once all the

cables have been connected and it has been ascertained that they are all a perfect match, they will be disconnected and coiled temporarily. After the platform has been set up at sea, HSM will complete the installation and test it for final delivery.

### Extension of the Clyde platform

Another assignment is the production of two process modules for Aker/Talisman. The Flyndre/Cawdor field – 290 km southeast of Aberdeen – is exploited by Maersk Oil. As the gas extraction activities have been extended, the existing Clyde platform needs extension too.

It must be equipped with a so-called 'backpack', and quite an impressive one too, weighing an astonishing 1,600 tonnes and measuring 29 m by 16 m by 26 m (length/width/height). HSM will ensure that these two modules can be seamlessly installed onto the existing platform. Timing is key in this particular project. Therefore, our team is hard at work to guarantee all deadlines are met. About 200 people are currently working on this project at the HSM site – both HSM staff and subcontractors – day and night, in a three-shift system, seven days a week. The deadline for sail-away is 19 July.

## OFFSHORE WORK, AN INTENSE EXPERIENCE

In April 2016 about 15 HSM employees will travel to the Energinet.dk site to install the new platform at sea. They will be working 12-hour days, seven days a week, surrounded by nothing

but water. Their only companions? Their colleagues, that's it. It's fair to say offshore work is not for everyone. It is an intense experience that requires meticulous training and medical testing. The magic

word? Safety! Nothing is left to chance. For example, our employees receive simulation training courses in case a transport helicopter needs to make an emergency landing at sea. As part of this exercise they

need to escape the 'crashed helicopter' from the icy waters of the Meuse river. They are also taught how to extinguish fires and escape from smoke-filled rooms. They are our aces!



# A TOP-NOTCH PROJECT IN DUBLIN

RijnDijk Construction focuses on multidisciplinary construction projects across Europe. At the moment they are active in Germany, Sweden, Scotland and Belgium. As such, RijnDijk is virtually working in its back garden, constructing a series of impressive buildings for a wide range of renowned clients who see the company as their preferred supplier. Moreover, soon the first batch of steel will be shipped to Ireland for the construction of a hyper modern waste incinerator on behalf of Covanta. Hitachi Zosen INOVA is responsible for the technology at the complex.

The futuristic complex will be completed in the year ahead, along the Dublin coast. RijnDijk Construction is producing and supplying all the technical steel

(5,000 tonnes), as well as 'secondary steel', e.g. for staircases, ladders and railings, and is also taking care of the installation. Moreover, RijnDijk has been asked

to hoist pumps and other process equipment into the building – a whopping 400 items in total! The complex will be built layer by layer, after which it will be completed. This is a unique project with challenging logistics in a beautiful, but rather windy location.

## A sound partnership

RijnDijk Construction may have won the tender for this assignment, but it has joined forces with an Irish steel company, which will produce the steelwork that, from a transport point of view, is

best supplied by a local company. This Irish partner will also dispatch 60% of all installation teams, which will work under the watchful eye of RijnDijk. This partnership will result in a sound relationship with the government and trade unions, and will allow RijnDijk to tap into the local knowledge and networks of the Irish company with its suppliers, including crane rental companies. This type of partnership in the framework of international projects always boosts efficiency levels.



# DUTCH PRIDE IN THE SINAI DESERT

Van Voorden Castings designs, produces and supplies high-quality ship propellers and industrial casting, earning the company a sound reputation in the international maritime sector and dredging industry. Recently, the company has once again secured a set of impressive orders.

In the last edition of Andustry news we revealed that six propellers were ordered for a floating oil rig off the Brazilian coast. These propellers have a 4.60-m diameter and will be delivered starting in July. But there's more! How about two NiAl-bronze propellers for an enormous Italian cruise liner? Each propeller weighs about 12.5 tonnes and has a diameter of 4.80 metres! That's right, two propellers, but then we're only mentioning the propellers on the underside of the ship. Van Voorden will also be supplying two additional reserve propellers, allowing the ship to quickly resume its journey in case of damage to the original propellers.

## From the Mediterranean to the Arctic Ocean

Cruise liner equals Mediterranean sunshine, which seems a world away from Russian ice-breakers.

Yet they too rely on the ingenious products developed by Van Voorden. In fact, the company developed a special built-up system for the Finnish company Steerprop which allows for the high-quality loose RVS propeller blades to be installed under water. Four propeller systems will be delivered, which will be installed onto two thrusters.

## Right across the desert

In October 2014 a consortium of Dutch and Belgian dredging companies was awarded a contract to complete the second Suez Canal project within a very limited time-frame. A total of 180 million cubic metres of sand will be removed to create a waterway with a depth of 24 metres. Dutch pride all around, because the dredging companies Boskalis and Van Oord will be leading the project, with Van



Voorden Castings supplying parts for the entire sand-removal system on several dredgers, namely pump casings, impellers and piping

made of highly wear-resistant material.



# FIB INDUSTRIES AND ITS INTERNATIONAL GROWTH

FIB Industries has always had a strong international presence. However, for years the turnover generated in the Netherlands equalled that generated in Europe and the rest of the world – with each accounting for one third of the total, whereas in recent years there has clearly been a shift to a greater turnover from international activities. Many other suppliers prefer not to get involved in large, heavy, technically complex projects with seemingly excessively high demands in terms of material knowledge and welding techniques, but it is precisely those projects that FIB feels most comfortable and excited about. And it seems ‘the world’ has noticed too!

The FIB Process equipment department, which produces burners and reactor internals for the oil and gas market, and for the chemical

industry, is very successful in Asia, the Middle East and the USA. Recently, several major orders were placed for burners, including a

project in the Middle East. And isn't it great that Gouda Refractories was chosen to supply the refractory material? And how about the distillation column that was supplied, measuring 29 metres in length, weighing 72 tonnes and boasting a diameter of 8.5 m? Seeing such a colossal construction leaving the site by ship inevitable leads to everyone being awestruck by the accomplishment, and rightly so!

### Conquering the beer market

FIB Industries specialises not only in process equipment but also in the development, production and supply

of complete cellar beer distribution systems – from the brewery to the tap. Initially, this was a typically Dutch system, used by Heineken, Grolsch and Bavaria. However, this beer distribution method has meanwhile received a lot of international attention, mainly thanks to the FIB pilot project set up in South Africa for SABMiller, the second largest brewery in the world. There are currently ongoing projects in Africa, South America and Australia. Moreover, the first large beer system ordered in North America was delivered this May. Quality, ingenuity and efficiency know no boundaries!



## GOUDA REFRACTORIES IN AFRICA

At Gouda Refractories, international projects are nothing new. The company supplies its refractory materials and expertise across the globe, from Tasmania to Taiwan, Korea, Indonesia, virtually the entire Middle East, Russia, South America, the USA and Canada, and even beyond, including impressive orders for clients in South Africa and Mozambique.



The Australian company BHP Billiton signed long-term maintenance contracts with Gouda Refractories for its aluminium smelting sites in South Africa (Hillside) and Mozambique (Mozal). Major maintenance works have been scheduled for both plants in the near future. Therefore, Gouda will be shipping about 500 containers carrying approximately 1,400,000 refractory bricks (12,000 tonnes) and 850 tonnes of refractory concrete between November 2015 and April

2016. The 30 types of brick in question were developed specifically for these smelting sites, with each type boasting one-of-a-kind measurements. Moreover, the company will dispatch two supervisors to Africa for three months. They will monitor the technical installation day and night. These Gouda staff members are not afraid to take on this challenge. Providing technical support in Basra, Iraq, for a whole year? At Gouda, that's nothing out of the ordinary!

## ANDUS GROUP SERVING THE INDUSTRY

**Andustry news is an Andus group publication**  
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### Editorial committee

Kris Rooijackers  
Jennifer van Rijn  
Niels Wibier

### Lay-out and Production

HOW communicate | create

### Editorial address

Voorstraat 56  
4132 AS Vianen

Andus Group BV  
Vianen / Tel. +31 (0)30 - 211 58 00

FIB Industries BV  
Leeuwarden / Tel. +31 (0)58 - 294 59 45

Gouda Refractories BV  
Gouda / Geldermalsen  
TEL. +31 (0)182 - 59 14 00

Nedstaal BV  
Alblasserdam / Tel. +31 (0)78 - 692 37 00

Van Voorden Castings bv  
Zaltbommel / Tel. +31 (0)418 - 57 12 00

Gouda Vuurvast Belgium NV  
Wijnegem / Tel. +32(0)3 - 326 57 00

Gouda Vuurvast Services BV  
Gouda / Tel. +31 (0)182 - 59 14 00

Gouda Feuerfest Deutschland GmbH  
Bochum / Tel. +49 (0)2154 - 888 700

ISS Projects sro  
Košice / Tel. +42 155 729 92 27

Lengkeek Staalbouw BV  
Hoogvliet RT / Tel. +31 (0)10 - 416 16 44

Armada Janse BV  
Budel / Tel. +31 (0)40 - 256 19 11

Armada Mobility BV  
Nieuwegein / Tel. +31 (0)30 - 246 95 00

Armada Rail BV  
Nieuwegein / Tel. +31 (0)30 - 246 95 92

HSM Offshore BV  
Schiedam / Tel. +31 (0)10 - 427 92 00

HSM Steel Structures BV  
Schiedam / Tel. +31 (0)10 - 427 92 00

RijnDijk Construction BV  
Eindhoven / Budel / Schagen  
Tel. +31 (0)40 - 246 72 28