



SCAFFOLDING | OIL & GAS INDUSTRY



SCAFFOLDING

SOLUTIONS AND SERVICES
FOR THE OIL & GAS INDUSTRY

OIL & GAS INDUSTRY | BROCHURE 03
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STRONGER. TOGETHER.

 **scafom-rux**



SCAFOM-RUX MORE THAN GREAT SCAFFOLDING SOLUTIONS

➤ At Scafom-rux, you are supported by a team with 50 years of experience in the manufacture, sale and rental of high-quality scaffolding and shoring systems. Together, we make your projects successful by providing you with

- High-quality scaffolding solutions that are certified for safe use in industrial plants
- Flexible scaffold rental, rent-and-buy options, or replacement your current equipment
- Technical support from the design of new scaffolding components and structures made for your individual needs to technical drawings and consultation
- Trainings for scaffolders and engineers that improve construction times and safety
- Excellent customer service no matter when you need it. From finding the best solution for you when you quickly need an alternative to your initial plans to short term delivery of material - you can rely on us

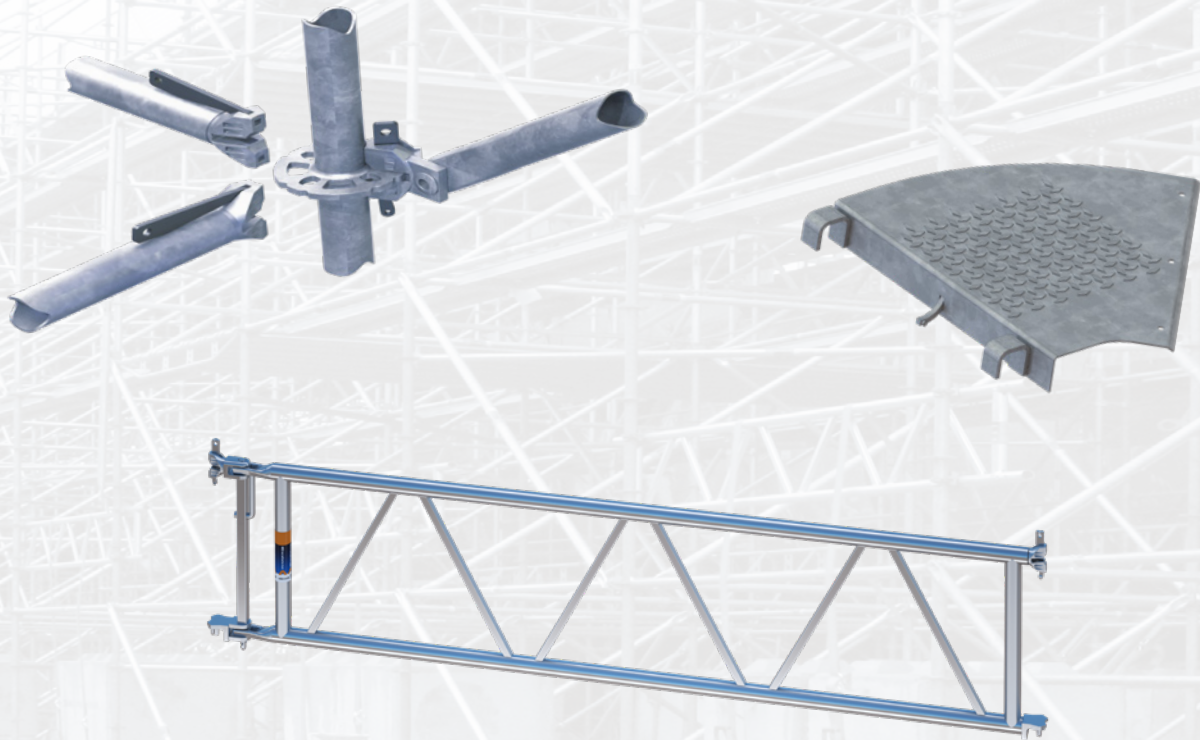
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> YOUR PARTNER IN THE OIL AND GAS INDUSTRY

During maintenance, shutdowns or turnarounds of refineries, everything runs according to a tight schedule. At the same time, it is not uncommon for unexpected repair work to occur that requires more time and scaffolding material than planned. To ensure that you can carry out your work reliably even under this intense time pressure, Scafom-rux is not only your provider of high-quality scaffolding systems, but also your partner who tackles your challenges together with you.

From finding the best solution when you quickly need an alternative to your initial plans to short term delivery of material even on public holidays - you can rely on us having your back.



> SCAFOM-RUX SCAFFOLDING SYSTEMS AND SERVICES ARE USED IN

- **UPSTREAM PROJECTS**
like construction of offshore plants or drilling rigs
- **MIDSTREAM PROJECTS**
like renovation of LNG-carriers or high-pressure pipelines
- **DOWNSTREAM PROJECTS**
like shutdowns, turnarounds, or closedsowns of refineries

SUPPORT IN ALL MATTERS

Whether you are responsible for setting up the scaffold or for making the business decisions – Scafom-rux products and services offer you decisive advantages both on the user side and from a commercial point of view. These range from the certification of our products for the use in oil and gas facilities to fast response and reaction to your enquiries.

> SOLUTIONS FOR THE OIL AND GAS INDUSTRY

> CERTIFIED SAFETY

To ensure that you are always safe at work, we produce our scaffolding systems according to internationally recognised quality standards and have them certified for safe use in industrial plants, among others, by various institutes worldwide. Easily adaptable accessories such as anti-slip decks, gap fill decks or ledgers, safety guard rails and more also help you to create the safest work environment possible.

> MAXIMUM FLEXIBILITY

In order to carry out the most diverse work on pipes, boilers, ovens, etc. you need a scaffolding system that is not only safe, but also versatile in use. That's why you can expect us to offer you a broad product range in which individual components complement each other. For example, you only need one additional component to build a stable stair tower made of RINGSKAFF modular scaffolding material.



**> FAST SUPPORT
WHENEVER YOU NEED IT**

When you get the go-ahead for a project, everything has to happen very quickly. That's why it's essential that you can rely on a scaffolding supplier who can quickly provide you with the right response to your enquiries. Our team supports you with the fast and reliable availability and delivery of material, even in large quantities. Also, you benefit from a large product range that covers the most diverse applications.

> A STRONG PARTNERSHIP

During a shutdown, it can happen that an unforeseen repair requires a scaffold that you had not initially planned for. In situations like this, our team has your back. Because every Scafom-rux scaffold also comes with a strong partnership. For you, this means that we can quickly support you with additional material and new designs, for example. This way you remain flexible and can react to unforeseen situations quickly.

SCAFFOLDING FOR ALL KINDS OF PROJECTS

Thanks to its versatility, the Scafom-rux modular scaffold RINGSCAFF is used in up-, mid- and downstream projects worldwide. With RINGSCAFF you can safely implement minor and major projects, such as

- Maintenance and renovation
- Construction of on- and offshore plants
- Shutdowns and closedowns

DOWNSTREAM: REPSOL REFINERY IN TARRAGONA, SPAIN

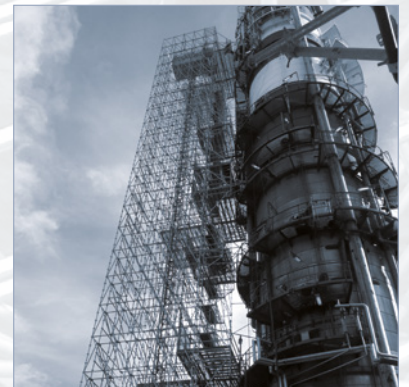
A scaffold at a rectification column can easily be 90 metres high. This was also the case for our customer, EXIN Tecnicas Tubulares, who used RINGSCAFF for sandblasting work at the REPSOL refinery in Tarragona. But not only the height was a real challenge in terms of statics.

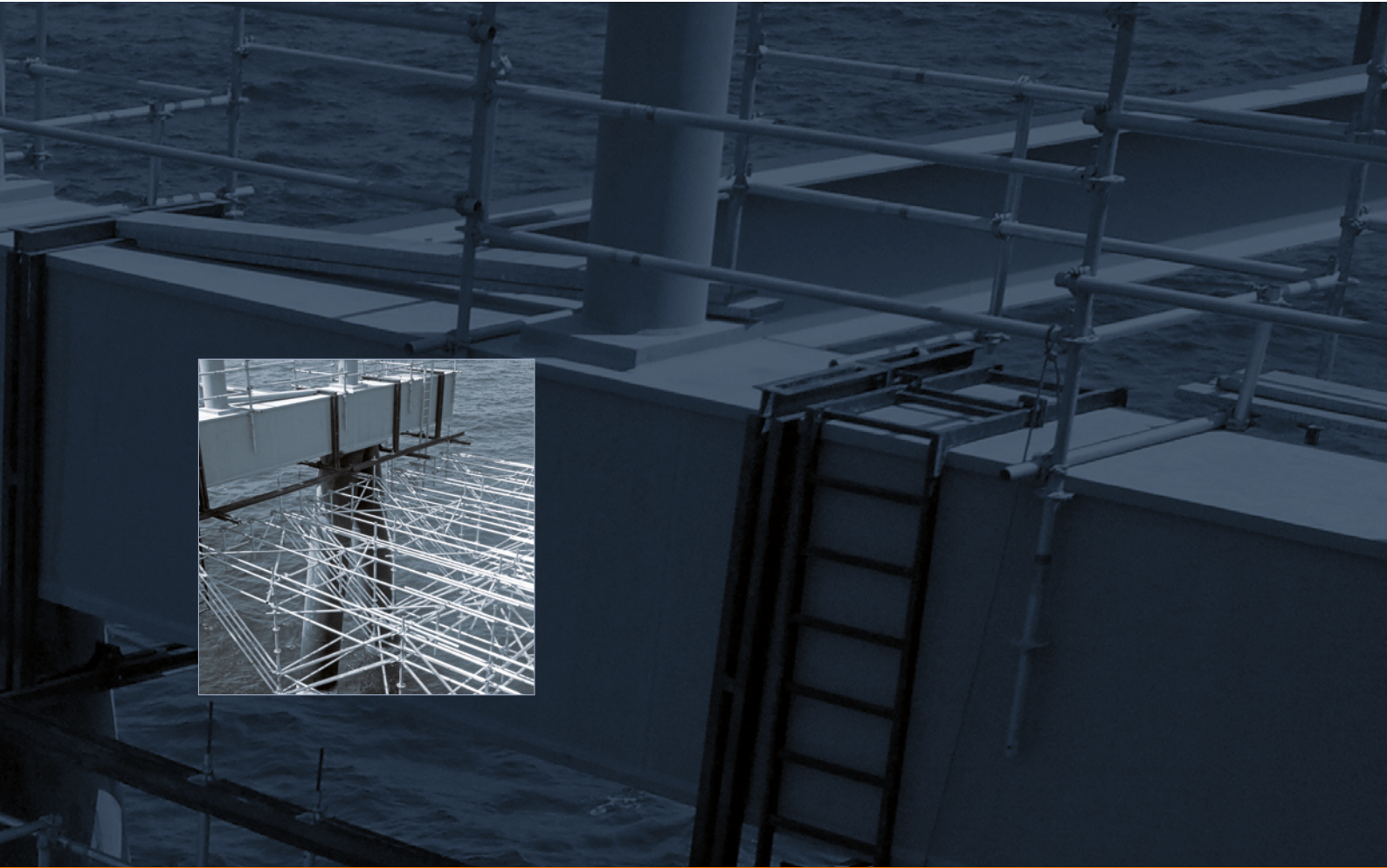
SCAFFOLDING CHALLENGE:

Temperature fluctuations in the refinery column made it sway by up to 16 cm. Protective tarpaulins added an increased wind load and liquid and dirt needed to be avoided from piling up on the scaffold.

SCAFFOLDING SOLUTION:

Carefully planned anchoring compensated the swaying. A special configuration made the scaffold statically stable and perforated steel planks made blasting material fall to the ground instead of piling up on the scaffold.





MIDSTREAM: RENOVATION WORK IN LNG-CARRIER

Transporting LNG via ship is a steadily emerging midstream division. Scaffolding that is used for the construction and maintenance of LNG-carriers must be adaptable to odd shapes and be particularly resistant. For the tank membrane replacement in an LNG-carrier, Scafom-rux client, GABADI, assembled a working platform with 800 tonnes of RINGSCAFF material.

SCAFFOLDING CHALLENGE:

Material supply was only possible through a single opening in the ceiling of the tank. Special parts were required because of the octagonal shape of the tank. Also, the sensitive membrane material had to be protected from contamination with dirt.

SCAFFOLDING SOLUTION:

Material deliveries were adapted to the assembly order inside the tank. Special parts were rented for optimal cost efficiency. The rented scaffolding material was also new and clean to avoid contamination of the membrane.





RINGSCAFF MODULAR SCAFFOLD

➤ Due to its flexibility, Scafom-rux modular scaffold RINGSCAFF is the perfect fit for any scaffolding work to be carried out in the oil and gas industry.

The RINGSCAFF connector not only makes the assembly and dismantling of your scaffold particularly easy, but also saves you a lot of valuable time. The system only consists of a few basic components that are easy to store. Certified by recognised authorities worldwide such as **DIBT, AFNOR, AENOR, LNEC, RISE and more**, RINGSCAFF is a high-quality modular scaffolding system that allows you to work safely for decades with hardly any maintenance costs.

➤ THE OIL AND GAS INDUSTRY USES RINGSCAFF

- to provide access even to difficult areas like offshore oil platforms or rectification columns in refineries
- to create a temporary working platform for painting, isolating, installation and more
- to support elements like piping tubes or racks during assembly



Steel and
aluminium decks

> RINGSCAFF KEY FACTS

Sometimes you just need the bare facts. Here they are: Scafom-rux supplies the RINGSCAFF modular scaffolding system in metric, imperial and 07 dimensions. Further technical details include:

- Steel decks with a load bearing capacity of up to 6.0 kN/m² allow to store more than 600 kg of material, installation equipment or machinery on a single square metre of a RINGSCAFF scaffold platform*
- Each RINGSCAFF connector can carry up to 6,7 tonnes (66 kN)
- Classified as light duty, medium duty and heavy-duty scaffold by WorkSafe
- Made of hot-dip galvanised steel for longer service life
- Compatible with other scaffolding systems on the market
- Internationally certified and audited by external authorities

* All loads given in this marketing material are reference values.



Standard with
RINGSCAFF connector

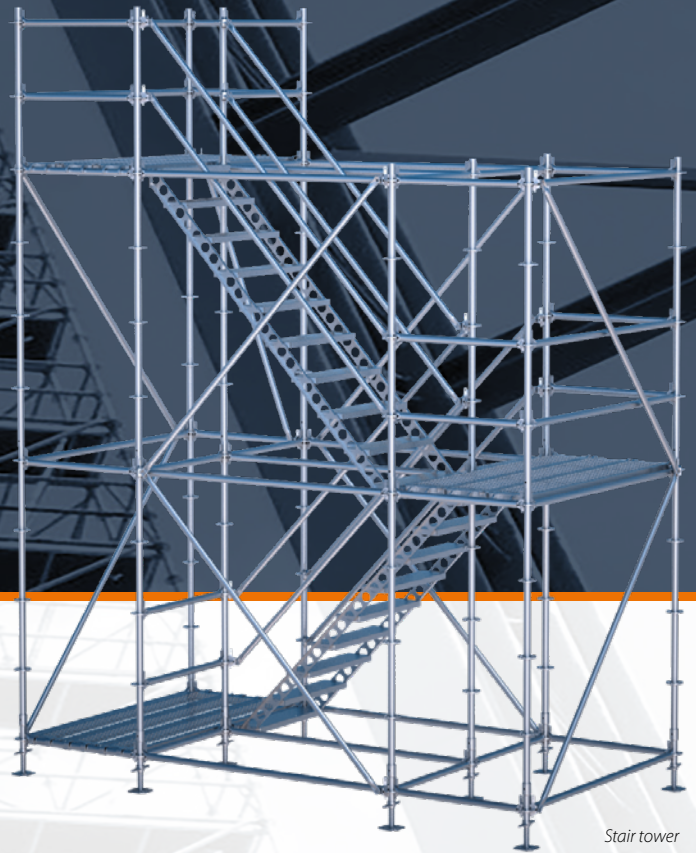
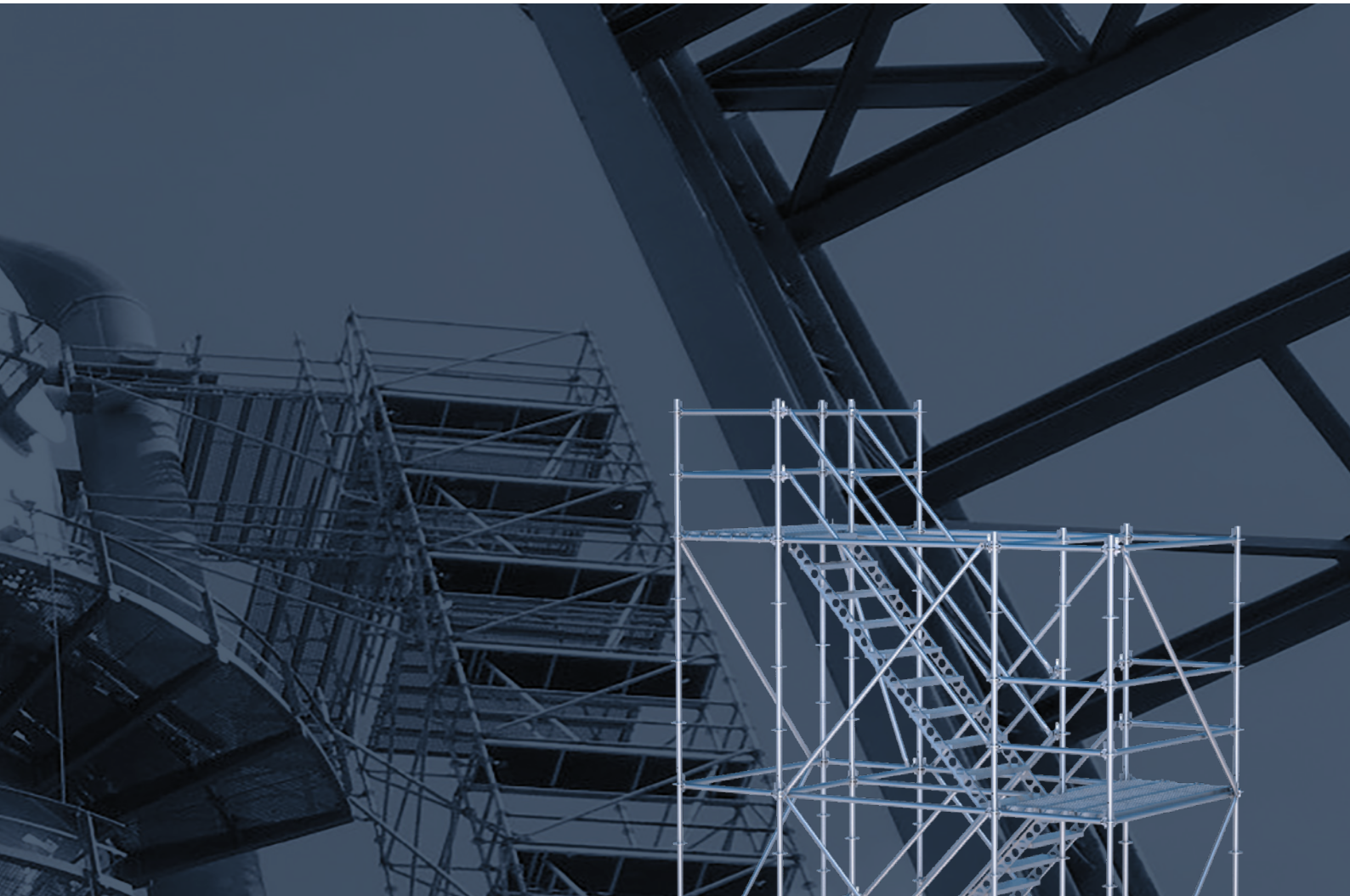
STAIR TOWERS

With Scafom-rux stair towers, you can flexibly implement safe access to work areas at different heights. For example, our RINGSCAFF stair tower is adaptable so that you can easily bridge pipes and other obstacles to make even hard-to-reach work areas accessible. It is up to you whether you prefer to work with the space- and material-saving metric measurement or rely on the traditional 07 measurement. Our RINGSCAFF stair tower can do both.

➤ For the stair tower, you only need standard RINGSCAFF elements and the steel construction stair with anti-slip surface as a special part. This makes the stair tower particularly space-saving and cost-efficient in storage, transport and assembly.



Stair tower



Stair tower

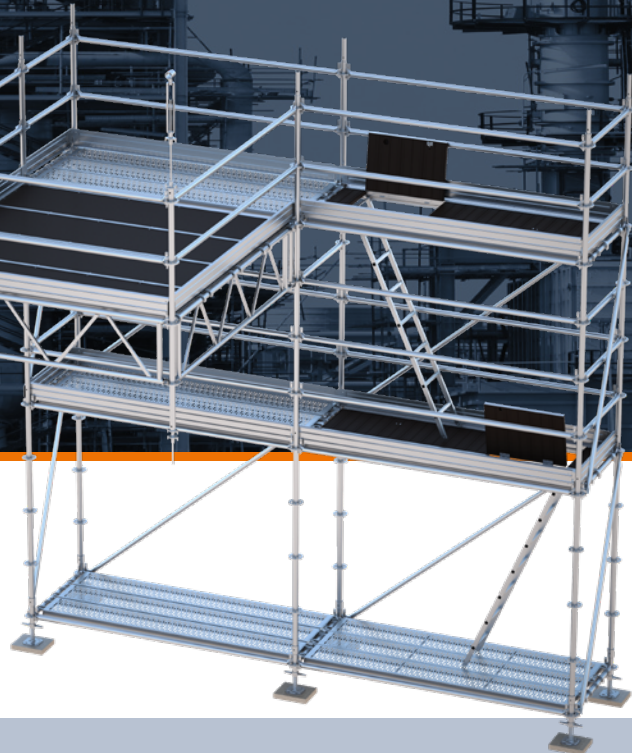
> RINGSCAFF STAIR TOWER KEY FACTS

- Live loads up to 2.0 kN/m² are possible and allow for safe use even for higher traffic frequency on the stair tower
- Stair widths of 0,90 m allow for convenient use even with oncoming traffic
- Modular RINGSCAFF material in metric or 07 dimensions
- Steel construction stair with anti-slip surface
- Classified as EN 12811, class B
- Approval No. Z-8.22-869 by DIBt
- Other configurations of the stair tower are also available

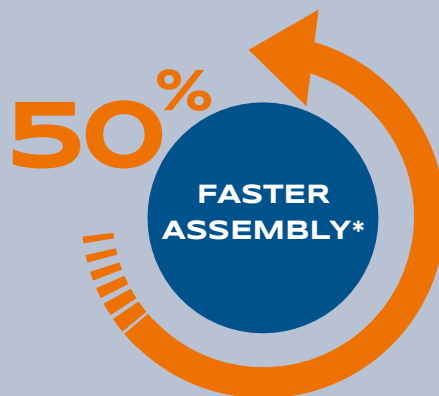
RINGSCAFF SKY

Especially for working areas that are difficult to reach, suspended scaffolding often pays off. With RINGSCAFF Sky you can rely on highest safety standards and avoid risky climbing or attaching components underneath the work floor.

RINGSCAFF Sky



RINGSCAFF Sky is a cost-efficient suspended scaffolding system made from basic components of the established RINGSCAFF modular scaffolding system. Thanks to the manageable number of basic components, RINGSCAFF SKY is quick and easy to assemble using only hand tools and requires only a few suspension points.





*Standard
with spigot*

> RINGSCAFF SKY KEY FACTS

- Available in 07 dimensions
- Fully compliant with EN standards
- Load class 1 or 3, live loads up to 2 kN/m²
- Only handtools required, no mechanical or electrical equipment needed
- Safe assembly while always standing on a stable working floor with at least two guardrails present
- Based on standard RINGSCAFF components, only two new parts needed



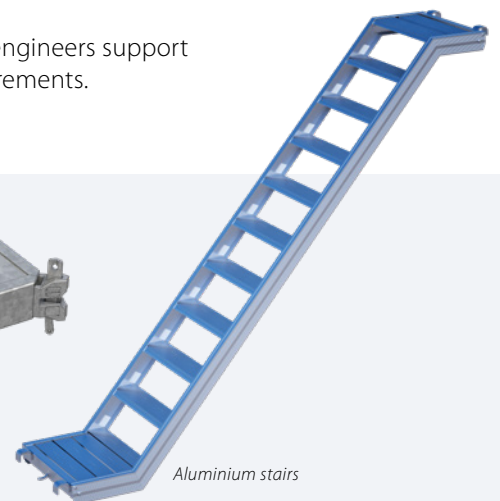
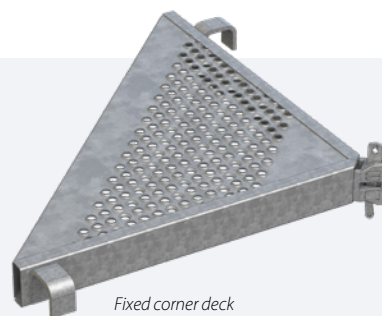
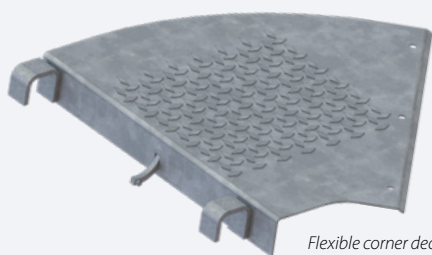
SCAFFOLDING ACCESSORIES

When you work in oil and gas facilities, you are confronted with the individual requirements of the respective operator. Especially in such challenging environments, the safety of all participants always comes first. With system-free and modular scaffolding accessories, you can implement the most complex safety requirements.

Choose between

- Different variations of stairs and ladders
- System-free steel decks and steel toeboards
- Safety guardrails and safety gates
- Gap-fill decks and ledgers
- Fixed and flexible corner decks
- Brackets for up to 4 boards
- Tarpaulins and nets
- and more

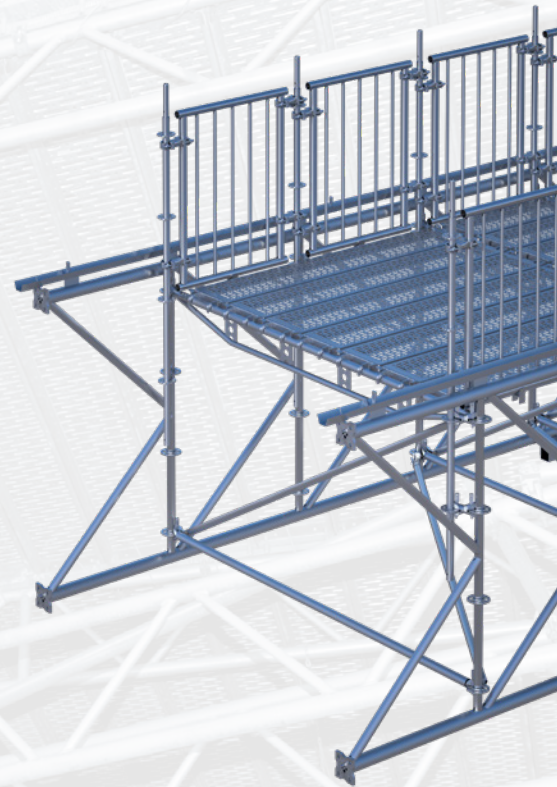
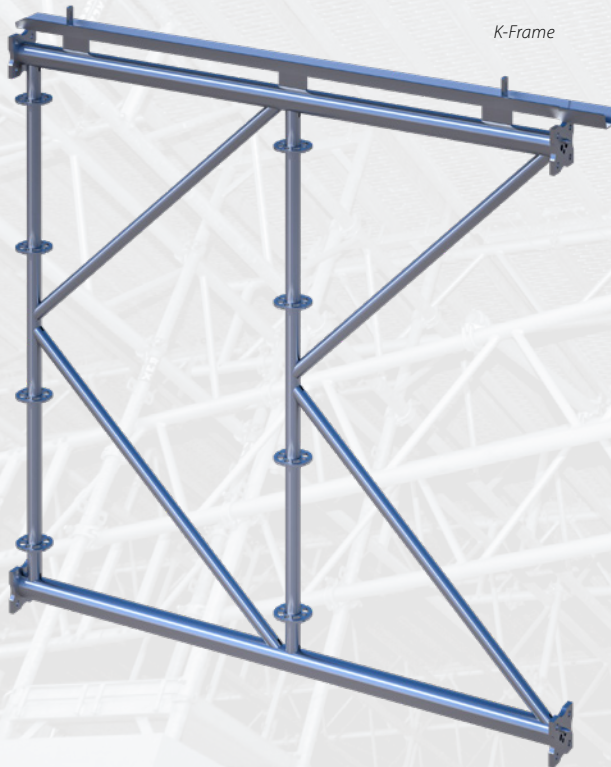
High safety requirements often call for special scaffolding solutions. Our engineers support you by designing scaffolding material customised for your project's requirements.



> HEAVY-DUTY: K-FRAME

Even in the largest industrial plant, space is not endless. So, if there's not enough floor space given to build the scaffold you need, you'll need another material- and labour-saving solution.

With our heavy-duty K-Frame, you can create bridging solutions that you can simply build the required scaffolding on top of. Our K-Frame can be smoothly assembled with your RINGSCAFF material. Even bridges for workers, heavy material storage or escape routes can be safely implemented with the K-Frame.



HIGH-QUALITY PRODUCTION

Running our own production facilities is the best way to ensure that we can pass on our scaffolding systems to you with the highest quality standards. At the same time, delivery routes are kept as short as possible, so you always have easy and quick access to our scaffolding products.

CERTIFIED PRODUCTION PROCESS

Our quality assurance process starts with the selection of certified raw materials and continues throughout the entire production chain until the goods are safely loaded for shipping and transportation. This means that you always receive products of consistently high quality - regardless from which of our five factories your order comes from. This is regularly confirmed through internal and external inspections of our products and production.



> CERTIFIED QUALITY YOU CAN COUNT ON

Certificates and approvals from independent institutes help you to determine that a scaffold meets your expectations of safety and quality.

We always put the quality of our scaffolding systems first. Because of this demand for quality, our scaffolding systems have numerous certifications from renowned authorities worldwide such as AENOR, AFNOR, DIBt, LNEC, RISE, VÚBP and WorkSafe.

In addition, we have regular audits carried out by independent third parties to check the manufacture and organisation. So, you can be sure that your Scafom-rux scaffolding always complies with the current safety requirements of the industry.

> MIXING APPROVED

Scafom-rux RINGSCAFF modular scaffold is officially certified by the internationally recognised German Institute for Structural Engineering (DIBt) to be mixed with other leading scaffolding systems. This way you can increase your planning flexibility, make the most of your stock and give yourself the freedom to always choose the best product with the best possible service.

RINGSCAFF has the following mixing approvals from DIBt:

- Z-8.22-901: mix approval with Layher Allround K2000+
- Z-8.22.911: mix approval with Plettac Ascco Contur
- Z-8.22.971: double mix approval with Layher Allround and Plettac Ascco Contur/Altrad Futuro





SERVICES FOR THE OIL AND GAS INDUSTRY

The Scafom-rux team does not only provide you with leading scaffolding systems in the oil and gas industry, but also tackles your challenges together with you. Your options go beyond the purchase of a scaffolding system and range from flexible scaffold rental options, trainings for your team and external partners to technical support and engineering services.

SCAFFOLD SALES

Due to our global presence in more than 20 countries, Scafom-rux scaffolding solutions are always close to you. So, you can expect quick response from our team to your requests and fast availability of the material needed.

Whenever you buy a product by Scafom-rux you can be sure to invest in a high-quality and certified scaffolding solution. Thanks to the high-quality hot-dip galvanization of our products, you can use one and the same scaffolding system for different purposes even in challenging areas like offshore oil platforms. At the same time, maintenance costs can be kept low.

SCAFFOLD RENTAL

Sudden demand for scaffolding material and special designs are part of your daily business. Scaffold rental is a cost-efficient option to stock up material at short notice. Scafom-rux offers you flexible scaffold rental options and a fast and reliable delivery of high-quality, clean, and certified scaffolding material. Our team is aware of the strict schedules you have to follow and organises fast delivery, whenever you're in need of material.

➤ TECHNICAL ENGINEERING SUPPORT

The engineering team at Scafom-rux is happy to support you with several scaffolding and technical services to make your project successful including

- Technical assistance whenever you need it: starting from the appropriate offer to the end of your project
- Creating drawings, statical calculations and designs including calculation memory
- Visits to the plants in case of any difficult situation or design
- Customization of scaffolding components to the requirements of the plants

➤ TRAININGS AND SEMINARS

The right planning, the correct handling of scaffolding material, and the knowledge what to do in case of an emergency is crucial in demanding work environments like offshore plants or refineries. That is why Scafom-rux offers trainings for scaffolders, engineers or your external partners that make your work safer and speed up construction times.

- **Trainings for scaffolders:** Learn how to assemble and dismantle our scaffolding systems. We are happy to issue a certificate upon completion of the training.
- **Rescue trainings:** Our trained staff prepares you for what to do in case of emergency and teaches you in accident prevention.
- **Trainings for engineers:** Our engineers teach you the planning and configuration of our systems in your projects.
- **Trainings for scaffolding calculation and technical design:** Our team supports you with the implementation of your project as well as with the assembly and usage of each of our systems.



> SCAFOM-RUX
YOUR PARTNER IN SCAFFOLDING

Scafom-rux is a manufacturer, distributor, and rental supplier of premium quality scaffolding solutions. Our entire team is dedicated to understanding the needs and requirements of scaffolding professionals in the oil & gas industry. Complemented by additional services like professional training or technical engineering, we can provide advice and expertise to find the best possible solution for every scaffolding project worldwide.

For more information about Scafom-rux, our scaffolding products, projects and services, please visit www.scafom-rux.com or our YouTube channel www.youtube.com/c/scafom-rux-scaffolds.



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