



RINGSCAFF

DOW PLANT

TARRAGONA - SPAIN

ABOUT KAEFER

KAEFER is a provider of technical industrial services with over 100 years of company history. Originally founded in Germany, today over 30,000 employees worldwide provide insulation solutions, access technology, surface treatment, passive fire protection, asbestos solutions and services for the shipbuilding industry.

More information about the KAEFER Group in Spain is available at www.kaefer.es or by e-mail kaefer@kaefer.es.

PROJECT QUICK FACTS:

- Project: The biggest shutdown of a chemical plant in Spain for inspections, electrical maintenance and installation of insulation.
- Project duration: 6 months
- Challenge: New product designs had to be made to meet the plant's high safety standards. The tight schedule during the shutdown also required short-term delivery of scaffolding material.
- Scaffolding specifications: 440 tonnes of rented RINGSCAFF scaffolding material

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SCAFFOLDING CHALLENGE
HIGH SAFETY REQUIREMENTS AND TIGHT SCHEDULES

A big project was waiting for Scafom-rux customer KAEFER in Tarragona: the chemical plant of Dow was to be temporarily shut down for maintenance work. And when maintenance work has to be carried out on large industrial sites, scaffolding is usually not far away either.

KAEFER rented a total of 440 tonnes of RINGSAFF modular scaffolding material from Scafom-rux for this project. That means a total of 13 truckloads of scaffolding material, which had to arrive at the chemical plant in just two fortnightly batches. And that was not enough of a challenge: of course, the high safety requirements in chemical plants also apply to the scaffolding used there. In case of the plant in Tarragona, this meant that



- the scaffolding material had to be particularly clean to avoid contamination
- new scaffolding elements adapted to this very project were required from Scafom-rux
- these new scaffolding components had to be specifically approved for Dow plants.



SCAFFOLDING SOLUTION
NEW PRODUCT DESIGNS FOR RENTED SCAFFOLDING MATERIAL

The safety standards in Dow plants are among the most demanding in the industry. For example, there must be no gaps larger than 2.5 cm in the scaffolding. No tools or even the smallest scaffolding part should be at risk of falling down. For that reason, safety scaffolding accessories in special dimensions were required for this project.



So our Scafom-rux engineers set about adapting the scaffolding material to the plant's requirements. New platforms, guardrails and toeboards were designed to fit the project perfectly. In collaboration with Scafom-rux' global teams, gap fill ledgers were also sourced in the appropriate dimensions.

LOGISTICS SOLUTION
22 TRUCKLOADS DELIVERED IN TWO 15-DAY BATCHES

Even though the actual repair work would take longer, the plant shutdown had to be completed in just 2 months in order to keep the costs of the production downtime to a minimum. This meant a tight schedule for everyone involved in the project. Logistics must therefore work quickly and smoothly so as not to disrupt the project schedule. With a total of 22 truckloads of scaffolding material that had to arrive at their place of use on time, this posed a big logistical challenge.

Within the given two 15-day periods, our team at Scafom-rux Spain prepared all the rented RINGSAFF material, including the specially requested scaffolding parts, and organised the transport, so that the delivery arrived on time at the Dow plant in Tarragona.

Working hand in hand with KAEFER in the planning of the material outlets, our team coordinated the preparation and loading of material with the unloading at the plant. This had to be done according to the assembly needs that arose as the work on the plant progressed. In this way, the Scafom-rux logistician was in direct contact with KAEFER, who informed them of urgent material requirements for immediate deliveries.

RESULTS

More than 300 scaffolders were busy at the chemical plant in Tarragona, erecting a total of more than 350,000 m³ of scaffolding. The work was planned precisely so that the shutdown of the plant could go off without a hitch. With the support of Dow staff, our engineers conducted training sessions with KAEFER technicians and scaffolders in advance to help with the smooth running of the project.

For optimum cost efficiency, all rented scaffolding material could simply be returned to Scafom-rux at the end of the project.

Since our RINGSAFF modular scaffold was used for the first time in a Dow plant, it also had to go through the approval process beforehand. And it paid off: RINGSAFF scaffolding material is now approved for all Dow production sites throughout Europe.



> ABOUT SCAFOM-RUX

Scafom-rux is a manufacturer, distributor, and rental supplier of premium quality scaffolding and shoring solutions. Our entire team is dedicated to understanding the needs and requirements of scaffolding professionals in industries like construction, oil & gas, mining, shipbuilding, and more. This way we can provide advice and expertise to find the best possible solution for every scaffolding project worldwide.

If you are planning a challenging project or want to learn more about Scafom-rux' products and services, please contact us via mail info@scafom-rux.com or phone: +31 495 497 204. Our team will be happy to work with you. For further information about Scafom-rux and our entire product portfolio, take a look at www.scafom-rux.com.

STRONGER. **TOGETHER.**

> RINGSCAFF FACTS

Scafom-rux modular scaffolding system RINGSCAFF is one of the most recognised scaffolding systems worldwide. RINGSCAFF is extraordinary versatile and exceptionally stable - a fact that has been audited and certified by several experts and institutions.

- Fast and easy assembly and dismantling thanks to Ringlock connection method
- Extremely durable with a load bearing capacity of up to 6.0kN/m²
- Can be used as a modular scaffolding system and/or shoring system
- Very easy to stack, reduced handling and transport costs and few loose components
- Certified compatibility with other leading modular scaffolding systems

