

### Project: Tyra redevelopment



The Tyra field is the largest natural-gas condensate field in the Danish North Sea. It has been in operation since 1984 and was originally two production complexes, which also processed gas from other fields.

In 2017, a redevelopment of the Tyra platforms called **Tyra II** ([www.tyra2.dk/en](http://www.tyra2.dk/en)) was announced, costing a total of 21 Billion DKK. Production is scheduled to start in 2023.

TotalEnergies is committed to the long-term development of the Danish offshore sector. The re-developed Tyra will be a high-tech production and export center, which will secure gas supply for many years to come.

#### Challenge:

Real Safety has supplied safety solutions for **Mærsk Oil and TotalEnergies** since 2007 and were contacted by TotalEnergies, who sought a new and innovative solution for marking Escape Routes on their assets in the North Sea for the Tyra redevelopment.

#### Problem:

TotalEnergies: “We are seeking an innovative solution that brings us in compliance with **Norsok S-001**. The solution must be applied from the top-side of the grating. It must be easy to install in all weather conditions, all year round - with a warranty of minimum 10 years.”

Painting jobs involve many stages: You need correct temperatures, closed off areas, preparation, primer coat, 1st and 2nd coat. And how do you paint a proper directional arrow on grating?

Furthermore, the “window” for painting jobs in the North Sea is limited due to weather conditions.

TotalEnergies realised that painting directly on grating resulted in a poor product life cycle, (re-painting every month to be compliant), and return on investment on these jobs is very poor.



# Oil and Gas Case study

## Solution

Working closely with TotalEnergies' technical teams and safety department, Real Safety developed **Escape Route Markers**. EPC contractors on the project were Rosetti Marino, McDermott International and Sembcorp Singapore.

Escape Route Markers are a simple innovative solution that completely complies with **Norsok S-001** and immediately eliminates all the issues with painting, **compliance** and low ROI.

Real Safety supplied all Escape Route Markers and anti-slip solutions on this project.

### Result:

Real Safety Escape Route Markings are now described as “**best practise**” in many specifications. It also won an award for the most innovative safety solution for the industry, as it **cuts costs by almost 70%** and enhances safety due to its clear visible escape directions and anti-slip features.

### Materials supplied by REAL SAFETY in this project

Name of Product	Profile details
Escape Route Markings	
Step Nosing	
Step Covers	

