



SINAMICS  
G220

WinCC  
Unified

.XCE & Schipperswelzijn

# XCE & Schipperswelzijn build a realistic inland skipper docking simulator with SINAMICS G220

## Customer Challenge

- Training inland waterway skippers to dock boats safely and efficiently traditionally requires real-world practice, which can be costly, time-consuming, and risky for beginners. Schipperswelzijn vzw & XCE Automation needed a way to provide **high-fidelity, safe and data-driven docking training** on land.

## Solution

- They developed a **unique docking simulator** powered by the **Siemens SINAMICS G220 frequency converter**, enabling **realistic, safe and fully data-driven motion control** that simulates vessel behavior during docking scenarios.

## Customer benefit

- **Safe, effective training:** Aspiring skippers can practice complex docking maneuvers on land without risk to people or vessels.
- **Realistic simulation:** High-quality motion control delivers accurate physical behavior, improving learning outcomes.
- **Data-driven insight:** The simulator collects performance data that can be used to assess skills and tailor instruction.

**SIEMENS**