

# Synchronized Positioning System

Feel the power





Synchronized Positioning System

## Computer-controlled synchronized positioning of heavy loads

Computer-controlled synchronized positioning of heavy loads with high damage risk has never been so easy with the Holmatro Synchronized Positioning System. Because of the use of multiple-split-flow pumps, each lifting point has its own single oil flow whereby the load can be positioned smoothly and with extreme precision. The use of multiple pumps results in a close position next to the lifting points. This minimizes the dynamic effect of the hydraulic system and reduces hose damage. The pumps can be moved around the job easily on wheels. Also, the complex web of hoses and cables towards the load will be reduced. The flexible configuration of the system makes it suitable for each specific positioning job. No matter what the size, weight or number of lifting points.

### Advanced software

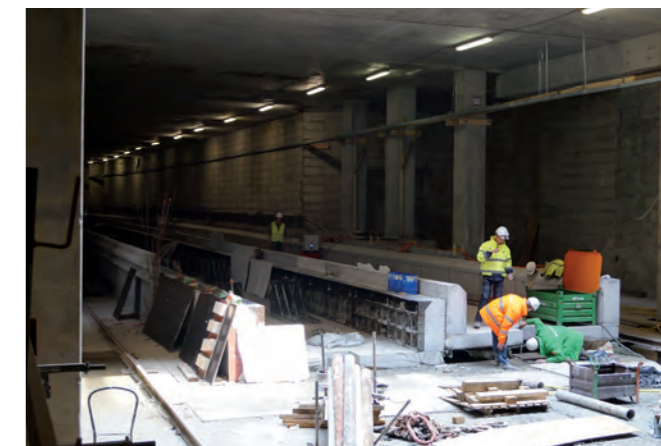
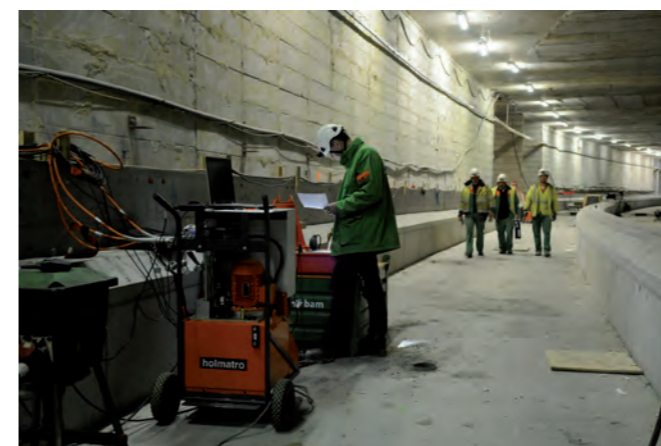
The software is centrally controlled from a 12-inch touchscreen. Holmatro has taken the utmost care to create user-friendly software, combining safety, intuitive configuration and control. Before any operation the software undertakes a series of steps to configure and test the hydraulic system. Potential faults in the chosen parameters or in the hydraulic system are detected, which makes the system extremely safe. During the entire process the system monitors the operation. Unexpected events, such as a sudden loss of pressure or a quick movement of a lifting point, cause the software to stop the operation. After inspection and potential repair of the cause of error the operator can safely continue the operation.

### Challenge us!

Allow us to inspire you and challenge us to come up with a solution for your specific problem.

### Synchronized positioning system

number of lifting points		4 - 64
accuracy over full stroke	mm	1
accuracy weighing	%	1
max. working pressure	bar/Mpa	720 / 72
functions: centre of gravity		√
controlled levelling		√
controlled lifting		√
controlled loweringw		√
controlled tilting		√
manual valve controlled		√
PLC controlled		√
weighing controlled		√
data logging		√
self calibrating		√



### Features & Benefits:

- Use of split-flow pumps results in accurate and controlled oil flow to the lifting points
- Short hoses because of the use of multiple-split-flow pumps; minimizes the risk of damaged hoses
- Advanced software calculates the movement of every separate lifting point continuously and corrects when necessary
- Automatic stop when unexpected events are detected;
- for safe working
- Data logging and calibrating-function standard integrated in software system
- HMI PLC control unit with 12-inch touchscreen for user-friendly control
- Pump trolley enables the pump to move around the job easily on its wheels

