

The background image shows an industrial facility, likely a gas or oil processing plant. It features a complex network of orange and yellow pipes, valves, and machinery. A large, cylindrical storage tank with a white and red stripe is visible on the left. The sky is blue with some clouds. The overall scene is industrial and modern.

**MAKEEN**  
ENERGY

# FAS Loading Arm Technology

Safety - Ease of Use - Robustness

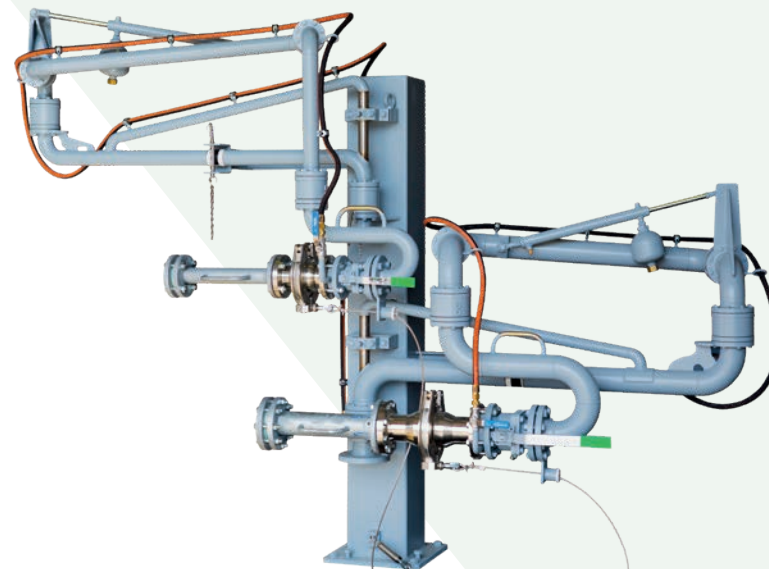
**FAS**  
A MAKEEN Energy Company

A red fire extinguisher is visible in the bottom right corner of the image.



## Loading arm stations for road and rail tankers

The FAS loading arm stations are used for the loading and unloading of road tankers and rail road tank cars. The compact functional design with one or two loading arms ensures a trouble-free operation. The robust and top quality construction of the three-part FAS swivel joints as well as the precise balancing of the loading arms (due to a gas-hydraulic balance system) enable an easy and effortless handling of the complete loading and unloading system. The stand column with thrust bearing system and parking position lock, as well as the ERC safety break-away coupling with release system, are part of the standard equipment.



Type FAS-G5 - rail tank wagon version



Type FAS-G7 - rail tank wagon version

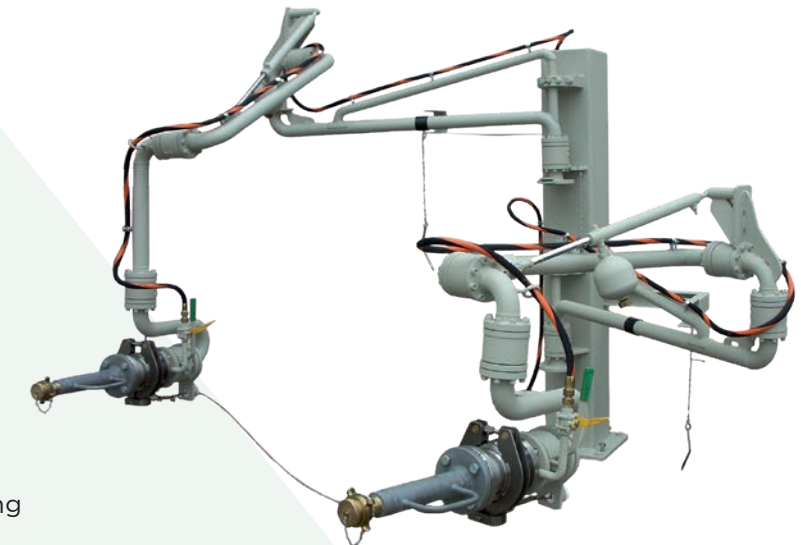
### Key benefits:

- Compact design
- Safe and trouble-free operation
- Easy handling
- User-friendly
- Low maintenance

### Technical features:

- Robust swivel joints
- Gas-hydraulic balance system
- Stand column with thrust bearing system and parking position lock
- Tension release device
- Mechanical ERC safety breakaway coupling with release system
- Dry quick coupling

Executions according to customer specification available on request.



Type FAS-G4 - road tanker version





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Find more information about your local  
MAKEEN Gas Equipment contact on  
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or scan the QR-code.



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**MAKEEN Gas Equipment** offers a wide range of high-quality gas equipment and components along with expert guidance from the beginning to the end of your project. In that way, our one-stop shop philosophy – and many warehouses around the world – provide you with much more than just a product. MAKEEN Gas Equipment is a company under MAKEEN Energy.

**MAKEEN Energy** is a global, market-leading corporation that delivers technological solutions, equipment, and customer support to the energy industry. We employ approx. 4,000 people across 6 continents and operate in over 140 countries. With our global reach, local presence, and decades of experience, we can deliver responsible solutions that make a difference to people and planet.

