

# HOSETOWERS

FOR OIL / GAS / CHEMICAL PRODUCTS

**HOSETOWERS.COM**



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# About Hose Towers

Experience the power of hose towers. The solution for efficient loading and unloading of liquids and gasses.

Benefits of the Delmeco Hose Tower:

- Reduction of operating expenses, wear sensitive parts and potential leak paths;
- Optimisation of capital expenditures;
- Maintenance activities are reduced since there are no swivels in the system and maintenance can be performed locally (no custom/specialized components required);
- The hoses offer more flexibility in all axes ensuring safe loading and unloading during ship motions;
- Available as skid only, which can be integrated on top of existing structures or as a complete unit (main- and subframe);
- An extending and retracting sliding beam supports hoses above the berth and deck of the ship avoiding the need for those saddles and making the operation easier for the operators;

## Key Advantages

Because a hose tower contains multiple hoses it can be used for (un)loading different products (simultaneously). The number of hoses can be adjusted to meet the requirements of the client. The solution Delmeco provides is a flexible, safe and organised solution for handling hoses.



COMPACT



SAFE



TIME SAVING



RELIABLE



USER FRIENDLY



FLEXIBLE

## Customers Around The World

Delmeco Hose Towers can be found worldwide. From design to build, our mission is to deliver the best possible solutions on a global scale. Delmeco Hose Towers can be containerized for affordable and fast shipping.





# Engineering & Production

## Complex challenges require flexible solutions

- Delmeco has designed, delivered and installed several hose towers for various clients. Our hose towers are used on a daily basis in large ports such as that of Rotterdam.
- 3D-models, drawings and force calculations are all made by our own team of engineers. The design and construction of our hose towers are tailored to the needs of our clients and built at our own manufacturing facility.
- Our cooperation with R.I.B. Engineering ensures that we can offer a high degree of knowledge and expertise, a decisive approach and custom-made solutions
- New projects, maintenance or service, our specialists provide high-quality work and will always find the best solution.

# Maintenance

## Prompt service you can depend on

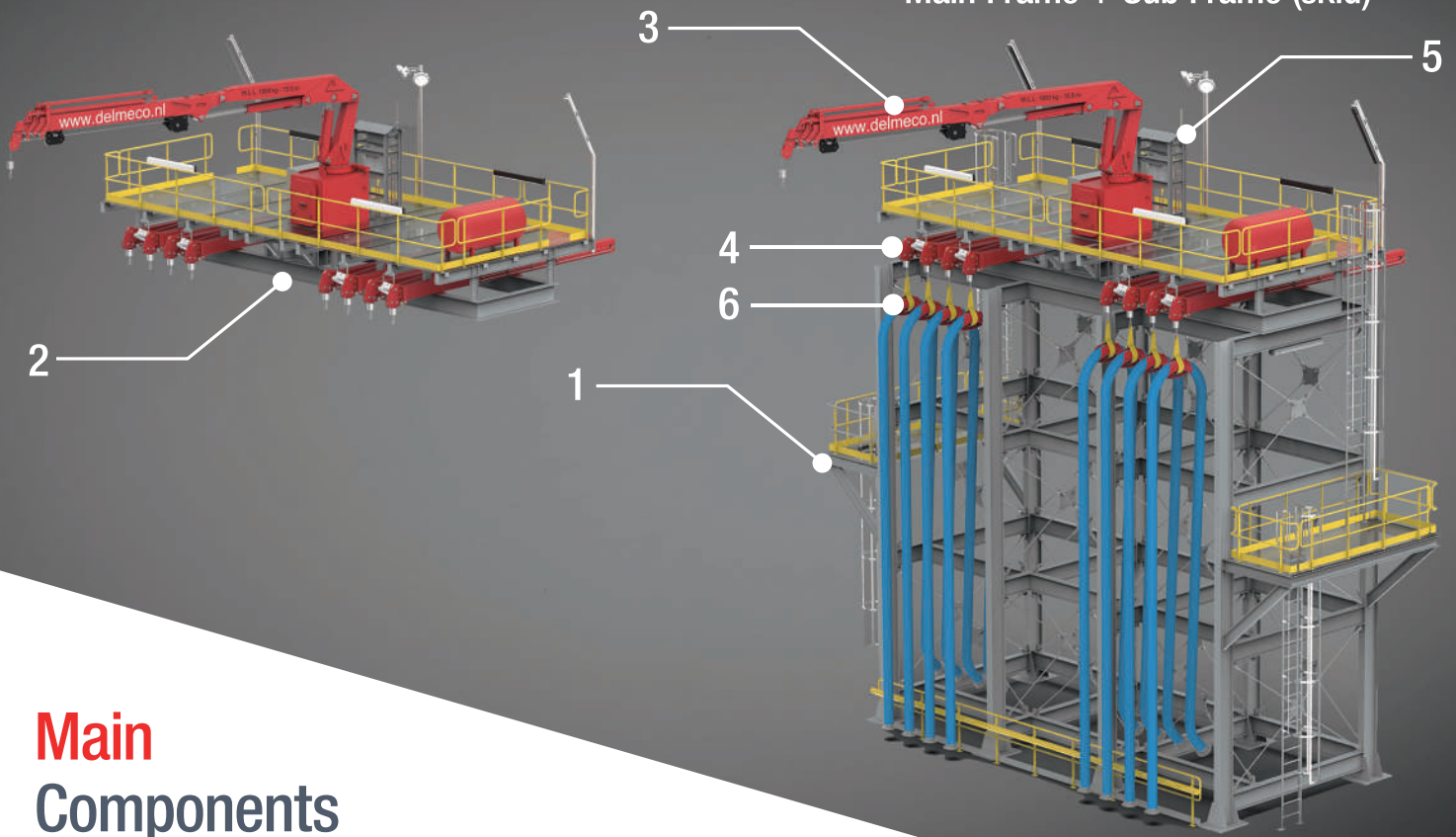
Delmeco Projecten is a reliable partner when it comes to maintenance. We provide maintenance for machines and installations that we build ourselves, but also for those that were built and/or placed by others. We combine our knowledge of electrical and mechanical engineering and automation, which enables us to provide maintenance for complex machines and installations. Our own emergency service can be reached at any time. 24 hours a day, seven days a week and 365 days a year.





Sub-Frame (skid)

Complete unit  
Main Frame + Sub Frame (skid)



## Main Components

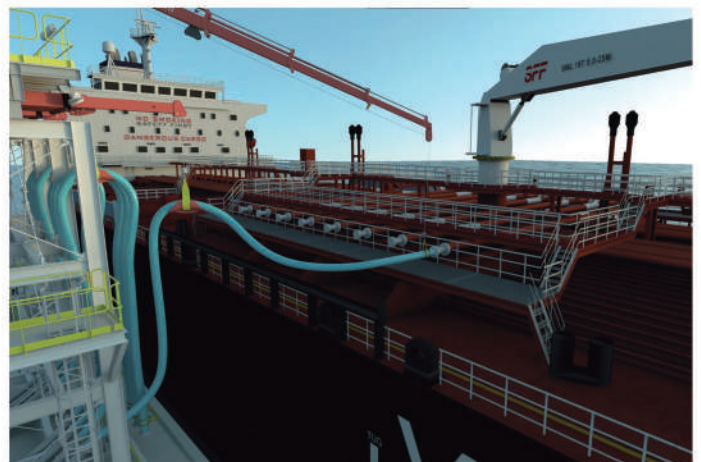
The Delmeco Hose Tower consists of two structures:  
Main Frame and Sub Frame

Legend:

- 1 - Main Frame
- 2 - Sub Frame
- 3 - Crane
- 4 - Sliding Beams
- 5 - Electrical Cabinet
- 6 - Hose Bun

## Working Principle

The Sliding Beam supports the hose during the loading or unloading process. It is able to extend while it's attached to the Hose Bun carrying the hose. The winch on top of the beam raises or lowers the Hose Bun to move the composite hoses in reach of the ships manifold. This unique feature removes complexity in the hose itself, creating a more reliable Hose Tower system.



# Materials & Functionality

Outstanding quality, performance and results

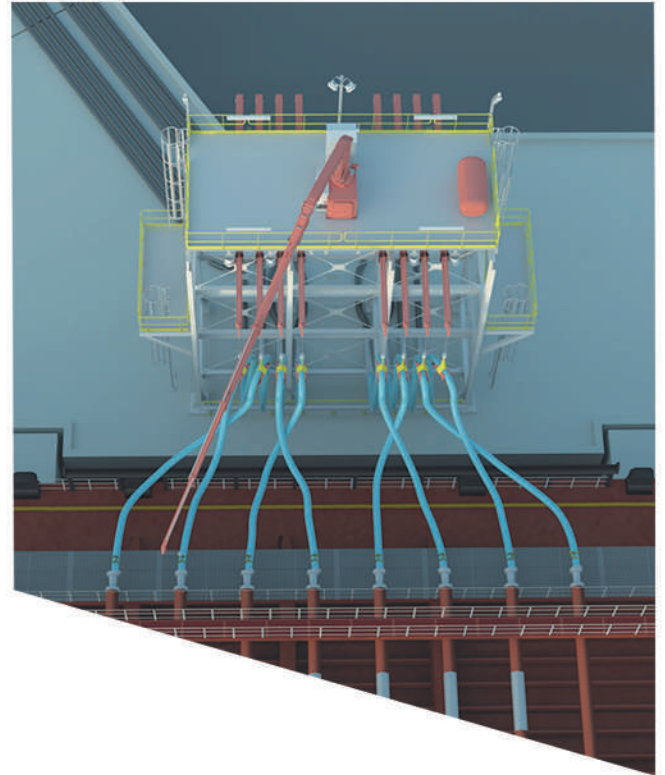
- Composite hoses ensure flexibility in all axes for a safe loading and unloading cycle.



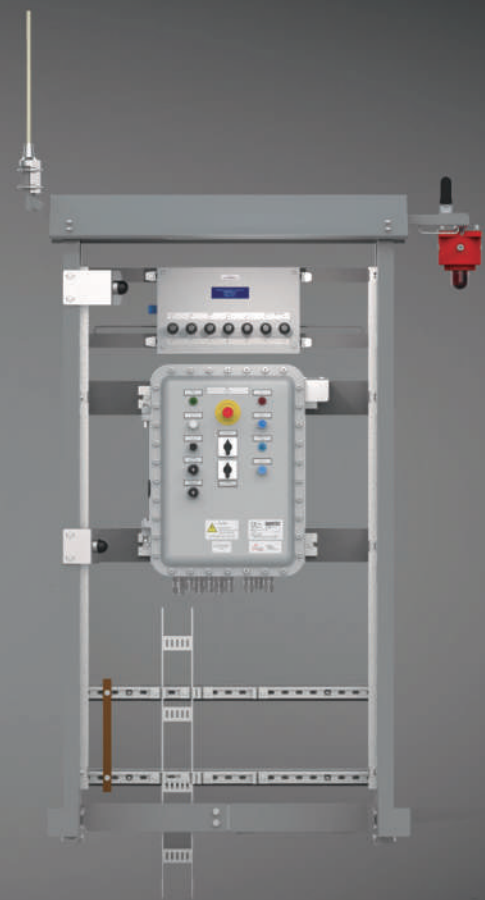
# Several Applications

Pushing boundaries, reaching new possibilities

Multi product loading has been made possible, even with the option of crossing product lines. Thus avoiding repositioning of the ship in case manifolds on the process side are not in similar order as the ship side.







## Control Systems

### Controlling a Hose Tower can be done both locally and remotely

There are three control options available:

Local control of the Hose Tower is done on the Electrical Cabinet whereas it can be also controlled remotely by a remote control.

For emergency purposes, Hose Towers are also equipped with mechanical switches to override control manually.

As a safety feature the manually operated hydraulic valves can also be operated.

## Customization

Delmeco offers a wide variety of customizations for Hose Towers. The design can be changed to fit the requirements of our customers. From a compact design because of limited available space to the addition of a fire monitor support integrated in the skid design. Other features such as extra spare product positions because of possible future expansion, flood lights, walking stairs and a drip tray can all be added to a Hose Tower.



# Hosereels & Gangways

When variety is required, the solution's ready

- Our portfolio also expands to in house engineered hosereels and gangways, that can be of added value for your loading and unloading operations.



# 3D View

Experience Delmeco Hose Towers in real life, digitally

Scan the QR-Code below. Press  to view in augmented reality mode.  
Please allow some time for the model to load.



HOW TO SCAN: OPEN, AIM & TAP



Minimum requirements: iOS 12 / ARCore supported device with Android 8.1  
(Works best on iPhone 12 Pro (Max) and iPad Pro 2020)





Delmeco Projecten is part of the Delmeco Group. The Delmeco Group is a leading technical service provider in The Netherlands. Delmeco Group is active in consultancy, project management, engineering, implementation, technical installations, HVAC applications, machine construction and industrial projects in the field of electrical and mechanical engineering locally and globally. Delmeco provides innovative and competitive solutions to clients from various industries and has a broad knowledge in other expertises such as (industrial) automation and software engineering.

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“Building high-tech machines or installations, consisting of various professional disciplines, where planning is always a challenge, demands a lot from people. It comes down to technical knowledge, team spirit, resourcefulness, flexibility and willpower to achieve the desired end goal. Our team of highly trained Masters in Technology takes care of this challenge every day.”

- R. (Raymond) Potters  
Managing Director



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