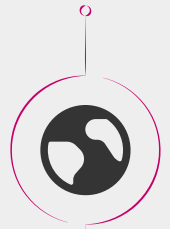


# TractionElite fl<sup>2</sup>

## MR & MRL

**HydroCloud connection**  
Surveillance, access and updates with cloud connection



**CANopen Lift**  
Flexibility and less cables



**10 inch touch display**  
Flexibility and less cables



**Superior installation**  
Reduced installation time



**Sustainable lift**  
Modernisation of traction lifts



## TractionElite fl<sup>2</sup> - One for All: Same user interface for HydroElite and TractionElite

- |  |   |  |
|--|---|--|
| <p> <b>Installation - fast and simple</b></p> <ul style="list-style-type: none"> <li>• CANopen Lift technology</li> <li>• No floor zone sensors needed</li> <li>• Decentralised lift control system (MRL)</li> <li>• Less cables and hardware</li> <li>• Innovative pit box</li> <li>• Simple commissioning</li> <li>• SIL3 certified</li> <li>• Position Supervisor Unit</li> </ul> | <p> <b>10" touch display</b></p> <ul style="list-style-type: none"> <li>• Easy to navigate</li> <li>• Language options</li> <li>• Instruction movies in display</li> <li>• Training sessions simplified</li> <li>• Integrated diagnostic tool</li> <li>• Real time and historical data</li> <li>• Safety circuit overview</li> <li>• Full accountability</li> </ul> | <p> <b>Stay connected - HydroCloud*</b></p> <ul style="list-style-type: none"> <li>• HydroCloud connection</li> <li>• Always updated documentation</li> <li>• Remote software updates</li> <li>• Remote monitoring</li> <li>• Access from anywhere</li> <li>• Live internal drawings</li> <li>• Better planning of maintenance</li> <li>• Constantly evolving IoT</li> </ul> |
|--|---|--|

### MRL - Decentralised lift control system

Controller inside shaft and user interface box outside of lift shaft, including:

- Display and user interface
- Evacuation procedures
  - Resetting of fuses



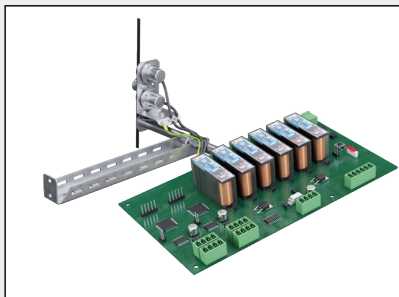
\* All HydroCloud features are optional and require a subscription to IoT services from Hydroware.

## ff<sup>2</sup> - What sets it apart



### Modernise traction lifts with minimal aesthetic impact

With **TractionElite H<sup>2</sup>** MRLs decentralised user interface, the aesthetic impact will be held to a minimum after a modernisation. The decentralised control box, housing the 10-inch touch display and user interface, is placed on a wall outside of the shaft and measures approximately 30x40 cm. The larger control box, including the frequency converter, is placed inside the shaft.



### PSU ff<sup>2</sup> DILIGENS

A safe absolute positioning system with UCM and overspeed tripping functions. Activates electrical safety gears and **replaces all safety-relevant limit switches and floor sensors**.

- SIL3 compliant and certified according to EN81-20/50 PESSRAL.



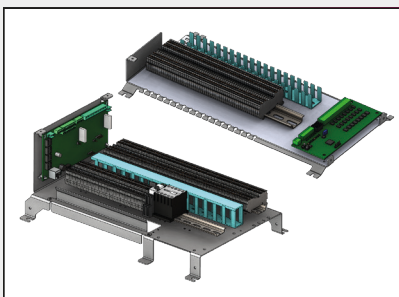
### 10-inch touch display and accessibility

The control unit is fitted with a 10-inch high resolution touch display. Among other features, the user will be able to find documentation, schematics, historical data and error logs directly in the display. Furthermore, there are instruction movies and language options available. The lift controller is accessible from any smart device and enables the user to connect to the controller from anywhere in the lift shaft.



### Surveillance, access and updates with cloud connection

All units come with HydroCloud readiness. Thanks to the HydroCloud connection, the unit can be accessed from anywhere. The unit can be updated remotely, and documentation will always be up to date. The system is open and can be adapted to work with other systems on the market.



### Pit and car node

Our new innovative pit node is installed in the shaft pit and is designed to cut down the amount of wires that run from the lift shaft to the motor room. Similarly, the updated car node is smaller and better prepared for a quick and neat installation. Due to even more wires being pre-wired with plugs, the on-site wiring is very fast and basically Plug and Play.