



# COMPOLIFT

## LIGHTWEIGHT TELESCOPIC MASTS WITH UNIQUE LIFT SOLUTION

Highly durable and lightweight telescopic mast solution. Have full control even while driving.

Powered by



**CompoTech**

Carbon Composite Components

### UNIQUE LIFT SOLUTION

A unique winch system uses a single cable for both raising and lowering the mast, with a spring system that also dampens vibrations transmitted to the lifted device.

### OPERATION EVEN WHILE DRIVING

Thanks to the unique properties of the tube system, the mast can be operated dynamically while the vehicle is in motion at high operating speeds.

### RESISTANT TO ANY CONDITIONS

Optimized thermomechanical properties significantly reduce susceptibility to conditions such as mast icing.



Height	1500–8500 mm as required
Load capacity	25 - 150kg as required
Engine	24V, performance as required for extension speed
Operation during dynamic vehicle moving	YES

## KEY DEVICE FEATURES



### COMPOTECH TECHNOLOGY

The tubes are made using axial winding technology with optimized thermomechanical properties. High rigidity and strength significantly enhance operational characteristics. The flanges between the tubes do not lock; the tubes „hang“ on a cable and are equipped with a pin to prevent rotation.



### STEEL-LIKE STRENGTH AT A FRACTION OF THE WEIGHT

Composite material construction through our automated AFL process achieves double the axial rigidity at a quarter of the weight.



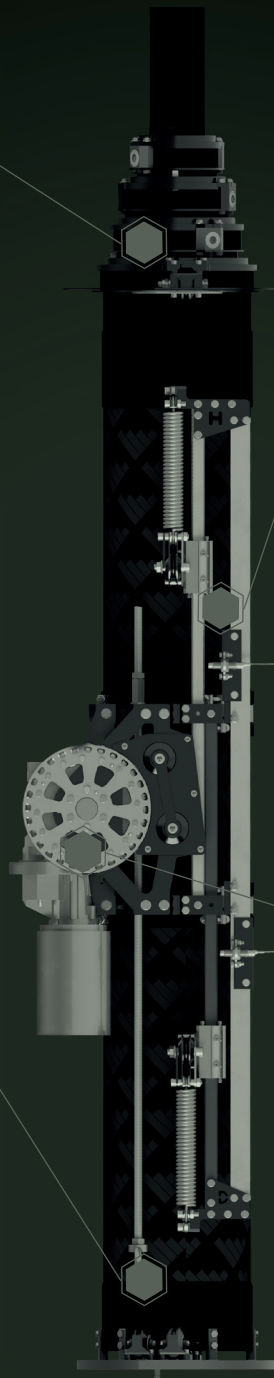
### NO NEED TO STOP THE VEHICLE

The unique tube system allows the mast to operate dynamically while the vehicle is in motion at high speeds as per customer requirements.



### UNIQUE DURABLE WINCH

The winch uses a single cable for lifting and lowering. A spring system dampens vibrations transmitted to the lifted device and mechanically limits maximum load states, eliminating the need for drive current protection.



## COMPOTECH COMPANY

We design the highest quality composite masts for the most demanding conditions, offering excellent control efficiency both stationary and in motion. Our expertise in carbon fiber technology and precision manufacturing allows us to deliver masts that redefine industry standards for strength, functionality, and reliability. With nearly 30 years in the industry, we push the boundaries of design solutions to meet strict military requirements, ensuring every mast exceeds our defense partners' strategic and operational needs.



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## CONTACT

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 **COMPOLIFT**

Designed according MIL-STD-810F