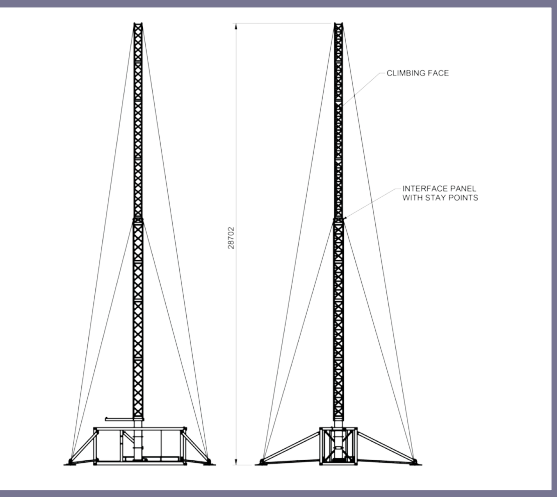
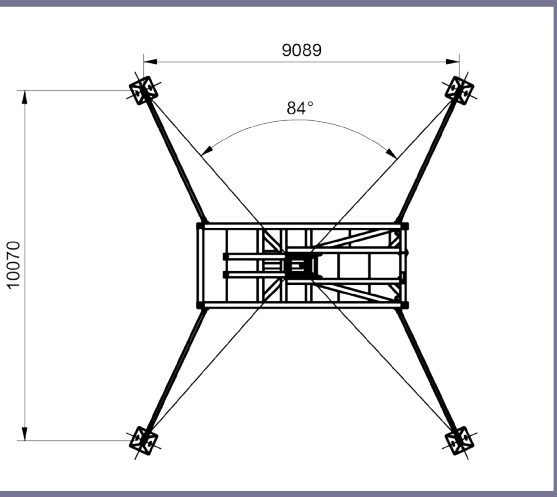


TECHNICAL SPECIFICATIONS

Container chassis	
Length:	5,90m
Width:	2,35m
Height:	2,39m
Maximum weight:	10.000 kg.
Finish:	RAL9010 (white) powder coating
Roof	
Platform:	Anti-slip coating with white finish
Hatch:	Hatch needs to be opened when lifting mast
Access:	The platform is accessible by a fixed ladder on the side
Equipment room	
Length:	2,00m
Width:	2,35m
Height:	2,39m
Wall:	Metal plate and isolation wall
Floor:	Metal plate
Ceiling:	Isolated panels
Access door:	Insulated door 800mm
Lock type:	Euro cylinder
Finish indoor:	White (RAL 9010)
Finish outdoor:	White (RAL 9010)
Space:	The equipment room has space for up to 6 cabinets 600x600mm
Storage	
Mast storage:	in container, right side
Rigging guys and bars:	in container, stacked
Equipment racks	
Cabinets:	Equipment room has space for 4 cabinets (600x600mm)
Cooling:	Dantherm forced-air system (flexibox 450) 12VDC, 24VDC, 230VAC
Earthing:	
Cable management:	Cable tray around ceiling and through wall
NOT included	
Telecom hardware:	Such as antennas, RBS
Transmission:	Such as IDU, ODU
Cabling:	Such as feeder, power and fiber
Generator:	To be confirmed
Crane:	Hiring crane and operator



Electric installation	
Input:	Spin 32A CEEFORM male
PDB:	6 breaker including main switch and overvoltage protection
Output:	per cabinet CEEFORM female 3pin 16A
Socket:	EU or UK sockets
Light:	TL Armature, 2x58W
Wiring:	NEN1010
Mast	
Height:	30m maximum
Material:	AlMgSi1 (Aluminium)
Shape:	Square parallel 480mm to 350mm
Climbing:	One side of the mast has steps to enable climbing
Storage:	In container, hydraulics room. Ceiling contains clamping straps
Mast section length:	13 parts: 2050mm
Main load:	6 antenna's + 2 dish (depending on region, period, height and category)
Mast guy ropes	
Guy ropes:	8x guy rope 12 mm (galvanized)
Tensioning device:	Turnbuckle
Lever hoist:	2 ropes 12mm
Installation of antennae	
Installing:	All antenna mounting can be done from the ground
Aligning:	Antenna's can be GPS tested from the ground
Cable management	
Cable entry:	Bulkhead connectors 24x 7/16 and 4x N-type and Roxtec
External:	Cable tied to mast leg (GCA clamps optional)
Building time	
Personnel:	2 engineers and 1 crane operator
Setup time:	2 hours
PCN work:	2 hours
Decom time:	2 hours

The right partner

The DAEL Group consists of six independently operating firms: DAEL Data & Electro, DAEL Telecom, DAEL Power, DAEL Security, DAEL Rail and DAEL Technology. These firms operate on the edge of technology and innovation, each within its own area of expertise. As a group of firms, the DAEL does not only cover a wide range of projects but also several countries: Belgium, England, The Netherlands and Scotland. Aside from these countries, DAEL also takes on projects in other countries.

By means of close cooperation and short lines of communication, these firms reinforce one another. That way we have a significant amount of knowledge and expertise of a wide range of projects. Whether you are in search of telecom solutions, power supply, security, cooling solutions or lightning protection systems, DAEL your reliable firm to contact.

Our other products:



COW – Cell on Wheels

A ready to deploy, mobile and multi-purpose total solution with a 25 meter high mast

For more information and technical details, contact us by sending an email to info@dael.com or visit www.dael.com

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MOBILE COMMUNICATIONS CONTAINER

A COMPACT, ROBUST AND LOGISTIC SOLUTION

EQUIPPED WITH A MAST WITH A HEIGHT OF 30 METERS



AN INNOVATIVE AND MULTIPURPOSE PRODUCT

DAEL has developed an innovative system for conditions where (sufficient) height and mobility is of importance: the Mobile Communications Container (MCC). This is an intelligent mix of a mast with a height of 30 meters and a container processed into one robust total solution. The MCC is compact and can be used for a wide range of purposes. This concept can be transported easily and can be setup and broken down within a short period of time. DAEL's MCC allows for setup of a (temporary) mast with a height of max. 30m. against relatively low operational costs. The MCC can be deployed and function under diverse and heavy conditions. Furthermore, the MCC is equipped with an intelligent automatic balancing system which allows for levelling the container in environments with unequal surfaces.



The Mobile Communications Container reduces your expenses

- Compact total solution where all parts of the construction have been incorporated into one 20ft. container
- The MCC has a limited footprint: 9m x 10m
- The 20ft. MCC can be transported and put into place by using a truck mounted crane
- Minimal personnel requirement: the container and mast can be setup by two engineers
- Various configurations possible

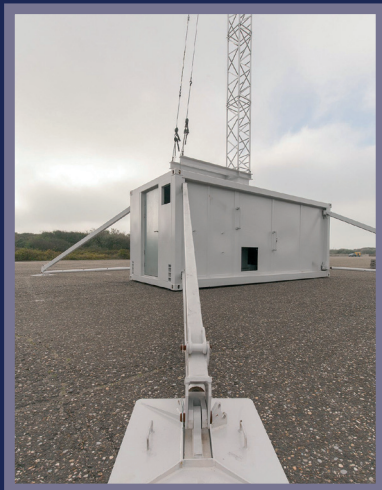


Container indoor space

- Is suitable to house four 19" cabinets
- Is equipped with an energy saving forced-air cooling system (6kW)
- Forced-air cooling and air conditioning is more energy saving than a regular air conditioning unit
- Is equipped with a feeder cable entrance via a 24-part bulkhead panel
- Is equipped with doors which can be locked
- Storage possibilities
- Can be placed in horizontal position by using the built-in automatic balancing system

What purposes could the Mobile Communications Container serve?

- Defence purposes
- To attach telecom equipment to in order to provide connectivity
- Deployment within a short period of time, in emergency situations or at events
- Security purposes (camera systems / CCTV)
- Lighting a certain location
- The setup of a (local) network in for example remote areas



Multi-purpose construction

- The length of the mast (30m and extendable) can be determined, depending on the purpose to serve
- The mast can be constructed from the ground up and equipment such as for example antennas, cables or other materials can be mounted at ground level
- The hydraulic system allows for placing the mast vertically
- Maintenance works can be conducted as the mast is climbable

Situations in which the Mobile Communications Container forms the solution

An existing telecom mast is aging and has to be replaced. To replace this mast, telecom equipment in this mast has to be switched off which results into a certain area being excluded from connectivity. Or during a military mission when a (local) network has to be setup for defence purposes. In both situations, providing (additional) connectivity is of importance and there is a solution available: deploy DAEL's Mobile Communications Container.



Your benefits:

- A compact, robust, cost saving and multi-purpose total solution
- The possibility to safely construct a climbable mast with a height of 30 meters within a short period of time
- Control over a built-in hydraulics system which allows for placing the 30m high mast vertically and an automatic balancing system to place the container level
- Logistics benefits (20ft. container)



DAEL