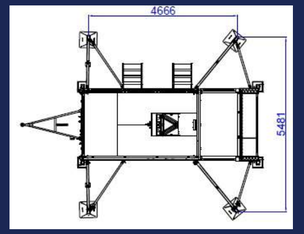
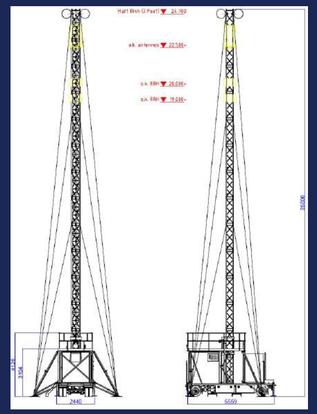
TECHNICAL SPECIFICATIONS

Trailer chassis	
Length:	5,55m
Width:	2,20m
Height:	4,00m - work platform: 3,1m
Max. gross weight:	8500 kg.
Axles:	2
Axle weight division:	4240 kg. per axle
Tires:	8x 225/65R16C
Brakes:	WABCO air system, EBS-E
Lighting:	12V LED lighting
Electric plug:	13pin
Towing arm:	Turnable triangle DIN eye
Finish:	Hot dip galvanized
Equipment room	
Length:	2,00m
Width:	2,00m
Height:	2,00m
Wall:	Double layered insulated panel
Floor:	Wood with anti slip coating
Ceiling:	Insulated panels
Access door:	Insulated door, width 800mm
Lock type:	Euro cylinder (to be confirmed by customer)
Finish indoor:	White (RAL 9010)
Finish outdoor:	White (RAL 9010)
Space:	3x cabinet (19") 600mm x 600mm
Cooling:	Dantherm forced air system
Cable management:	Cable tray around ceiling
Storage of mast elements:	Mast lift area / work platform
Rigging cables and bars:	Heavy duty storage box underneath trailer
Lift mechanism	
Winch:	1,1 kW 1ph-230V
Winch capacity:	Up to 500 kg. in vertical lifting
Mechanism:	Self-stacking
Storage	
Truss storage:	Holes in wooden floor for stability
Guys and ancillaries:	In heavy duty boxes under the trailer
Equipment racks	
Cabinets:	Space for 3 cabinets (600x600mm)
Cooling:	Dantherm forced-air system (flexibox 450)
	12VDC, 24VDC, 230VAC
Earthing	
Cable management:	Earthing bars and cable tray around ceiling



Top view with indicative measurements



Configuration example

Electric installation	
Input:	5pin 63A CEEFORM male (incl. 32A-63A adaptor)
PDB:	6 breaker incl. main switch and
	overvoltage protection
Output:	CEEFORM female 3pin 16A, 3 per cabinet
Socket:	EU / UK sockets
Light:	TL Armature, 2x 58W
Wiring:	NEN 1010
Generator:	Recommended but not included;
	20 kVA, 380 VAC, 3-phase 50Hz
Fuel tank:	700L Diesel fuel
Mast	
Height:	20m (standard), extendable to 25m
Shape:	Triangular parallel 500mm
Length mast section:	11 (20m) or 14 (25m) x 1700mm
Main load:	6 antennas + 2 dish (depending on
	region, period, height and category)
Climbing:	One side of mast equipped with
	steps which make mast climable
Storage of mast elements:	Special holes in mast lift area, workplatform
Mast guy-ropes	
Galvanized guy-ropes:	8x guy-rope 12mm (20m mast),
	12x guy-rope 12mm (25m mast)
Tensioning device:	Turnbuckles with D-shackles
Installation of antennae	
Installing:	Antennae mounting from workplatform
Aligning:	Antennas can be GPS tested from work platform
Cable management	
Cable entry:	Bulkhead connectors 24x 7/16 and
	4x N-type, Roxtec 10/4
Fencing	
Fences:	12x fence 2m x 2m with agreed print
NOT INCLUDED	
Telecom hardware:	Antenna's / dishes / RBS
Transmission:	IDU / ODU etc.
Cabling:	Feeder, power and fiber
Generator:	To be confirmed

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 cutting edge of technology and innovation, each within its own area of expertise. As a group of firms, the DAEL Group 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 is the reliable firm to contact.

Our other products:

MCC – Mobile Communications Container

A compact, robust and logistic total solution equipped with a 30 meter tall 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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EN

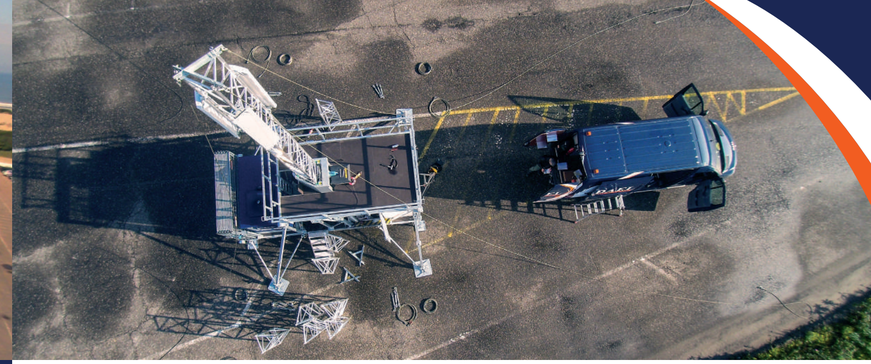
CELL ON WHEELS (COW)

A READY TO DEPLOY, MOBILE AND MULTI-PURPOSE TOTAL SOLUTION EQUIPPED WITH A 25 METER TALL MAST

DAEL

CELL ON WHEELS

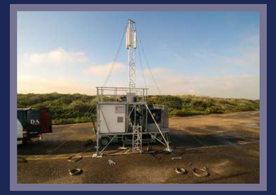
DAEL has developed an innovative system for conditions where (sufficient) height is of importance: the Cell on Wheels (CoW). With the CoW you possess a mast with a height of 25 meters which can be deployed against relatively low operational expenses. The CoW is a mobile and compact combination of a mast, indoor space and a trailer converted into one total solution. The mast can be transported easily and can be set up and broken down within a short period of time by making use of a 'self-stacking' system.
The CoW can be used for various purposes. For example to (temporary) setup a (local) network, provide (additional) network capacity, attach camera systems (CCTV) to, provide lighting at a certain location or for defence purposes. This system can be deployed at locations which can be reached by a company van with trailer.



Cell on Wheels reduces your expenses!

- No crane or cherry picker required for mast assembly
- Only two engineers required to setup the CoW
- The CoW has a limited footprint: two parking positions
- The CoW can be transported by using a company van equipped with an air system to control the trailer braking system
- A generator can be placed on the CoW trailer
- Construction fences are included in the trailer setup

For what purposes is it possible to deploy the Cell on Wheels?



- Deployable within a short period of time, in emergency situations or at events
- Installation of network equipment or telecom networks
- Security purposes (camera systems / CCTV)
- Lighting on site
- The setup of a (local) network in for example remote areas
- Defence purposes

Situations in which the Cell on Wheels is the solution

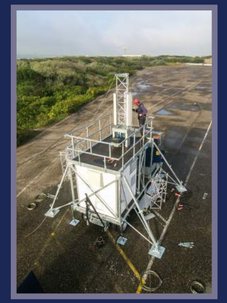
A large event where a couple thousand people make use of the mobile network which results into an excess of pressure on the telecom network. Or a non-temporary mast which has to be replaced by a new mast. To replace the mast, telecom equipment mounted to the existing tower has to be switched off. In both situations, providing (extra) connectivity is of the essence. There is a (temporary) solution available: deploy DAEL's Cell on Wheels.

Indoor space

- Space for three 19" cabinets
- Equipped with an energy saving forced-air air conditioning system (6kW)
  **The forced-air cooling system saves a significant amount of energy when compared to a regular air conditioning unit*
- Provided with a feeder cable entry via a 24-part bulkhead panel
- Equipped with a door which can be closed and locked
- Storage possibilities

Multi-purpose construction

- The 25 meter tall mast can be constructed within a short period of time by only two engineers
- Antennas, cables and other materials can be mounted to the mast from work level
- The mast is constructed by stacking mast elements by using a 'self-stacking' mechanism which can be operated by one engineer
- Maintenance works can be conducted as the tower is climbable
- Maximum windload* depends on the height of the mast and configuration of equipment
  **Calculations can be made per deployment*



Your benefits:

- The ease of transporting the Cell on Wheels
- Availability of a concept which can be deployed on short notice and saves costs
- A 25 meter tall mast, an indoor space, a generator and 12 construction fences on-site in one go
- The possibility to safely and quickly construct a climbable structure by using a 'self-stacking' system
- A concept which can be deployed for various purposes

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