The right partner

The DAEL Group consists of six independently operating firms: DAEL Data & Elektr, 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 25 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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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 in (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 feed-through 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

**Cell on Wheels**

**Multi-purpose construction**

**Indoor space**

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

**Situations in which the Cell on Wheels is the solution**

**Your benefits:**