MSPE
SELF-PROPELLED ELECTRONIC MODULES
40T/48T - EVO2 60T/ EVO3 70T
We are the worldwide leading full-range manufacturer of special road vehicles for heavy load and special transport.

The semi-trailers, low-loaders, modular vehicles and self-propelled trailers that we produce are used to transport anything exceptionally heavy, long, wide or tall.

Our brand portfolio includes transport solutions for payloads from 15t to 15,000t ... and beyond.

The excellent facilities in a production space of 150,000 m² form the foundation for qualitatively unique, high-tech products.
As a family business we grew over six generations from a small forge to the industry leader. We consider our roots as the basis to an innovative and sustainable future.

We offer solutions for any transport challenge through experience, flexibility and knowledge. Know-how and expertise from the development to production, start to finish. Your requests are in good hands at Cometto!

We trust our optimized production processes, modern technique and highly qualified employees. As the quality leader, we apply the highest standards to ourselves in order to guarantee the perfect quality of our products.

Our extensive service ensures you a worldwide presence, 24h a day and 7 days a week. The Faymonville Group offers the most sustainable and wide-ranging customer service of the industry.
We constantly pioneer the implementation of new technologies, researching and developing solutions in a fast changing world. Through our know-how and with more than 60 years’ experience we already provided products for the NASA Orbiter Space Shuttle as well as the Ariane projects.
The Cometto self-propelled electronic modular trailers (MSPE) provide a complete system for heavy load transportation. The MSPE range features several families with different characteristics, dimensions and payloads, while maintaining core commonalities that allow full interoperability between the different product lines. This unique system offers a choice among two families and four categories, identified by greater capacities.
Only Cometto offers up to 70t per axle line on its MSPE self-propelled electronic modules.

Tubeless assembly allows the usage of the vehicle at full load and with important slopes without any limitation in distances. The highest payloads are achieved with tubeless tires* thanks to the unique concept and design of the special rim and tire combination.

* Standard for MSPE EVO2 60T and MSPE EVO3 70T with reinforced aeronautic tires / Optional available for MSPE 40T and MSPE 48T with industrial tires.

Air as preferred media between ground and load.

Cometto is the one and only manufacturer to have this wide range of self-propelled electronic modules in its portfolio.
INFINITE POTENTIAL & ALTERNATIVES

Cometto MSPE series offers all necessary vehicle combinations and 100% interoperability with existing products from the MSPE family.

Possibility to combine 40t, 48t, 60t or 70t vehicles, in 2430mm or 3000mm width version and with 3, 4, 5 or 6 modular axle lines.

Split-modules

Open combinations
As a result, the electronic steering guarantees maximum maneuverability and precision through a +135°/-135° steering angle.

By applying its unique remote control, the high performance steering and a perfect synchronization is still ensured even if different MSPE families are mixed in the same convoy.
MSPE 40T
MSPE 48T

THE ALLROUNDER SOLUTION

A very flexible system which allows to get many different platform configurations, suitable for all types of special transport.

Robust and versatile. Ready for any heavy duty task.

Width up to 3m provides the highest stability on the market.

MSPE 40T

<table>
<thead>
<tr>
<th>Width (mm)</th>
<th>Length (mm)</th>
<th>Height (mm)</th>
<th>Load Capacity (t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2430</td>
<td>3000</td>
<td>1500 +/- 350</td>
<td>40</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tyre Size</th>
<th>PLY Rating</th>
<th>Inflation</th>
<th>Load Capacity (t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>355/65-15</td>
<td>32</td>
<td>AIR INFLATED</td>
<td>40</td>
</tr>
</tbody>
</table>

MSPE 48T

<table>
<thead>
<tr>
<th>Width (mm)</th>
<th>Length (mm)</th>
<th>Height (mm)</th>
<th>Load Capacity (t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2430</td>
<td>3000</td>
<td>1500 +/- 350</td>
<td>48</td>
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</tbody>
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<tr>
<td>355/65-15</td>
<td>32</td>
<td>AIR INFLATED</td>
<td>48</td>
</tr>
</tbody>
</table>
A PACKAGE FULL OF ADVANTAGES
COMBINED WITH THE WORLD’S MOST FAMOUS COMPONENTS

**STRUCTURE**
- Strongest and most rigid chassis designed for the heaviest loads and used for all versions, from 70k down to 40t. Suspension based on compass hydraulic type with an important stroke of 700mm.

**A STATE OF THE ART HYDRAULIC SYSTEM**
- The hydraulic system is equipped with high accurate safety valves acting independently and automatically in case of pipe damage, for both rigid and flexible pipes.

**TIRES AND RIMS**
- Air inflated tires
- Optional: tubeless or tire fill if requested

**DRIVE AND BRAKING SYSTEM**
- Hydraulic drive system and drum brakes.

**STEERING**
- Electronically steered rotating slew drives are operated by a sophisticated hydraulic motor. This system is based on the strongest epicyclid drive boxes and worm screws.

### 3 AXLE LINES
**MODEL 3/2/2,43 (40T)**
- Platform Dimensions: 4200x2430mm
- Suspensions: 6
- Gross Weight: 120t
- Dead Weight: 12,7t
- Payload: 107,3t

**MODEL 3/2/3,00 (40T)**
- Platform Dimensions: 4200x3000mm
- Suspensions: 6
- Gross Weight: 144t
- Dead Weight: 14,5t
- Payload: 105,5t

**MODEL 3/2/2,43 (48T)**
- Platform Dimensions: 4200x2430mm
- Suspensions: 6
- Gross Weight: 120t
- Dead Weight: 13,3t
- Payload: 130,7t

**MODEL 3/2/3,00 (48T)**
- Platform Dimensions: 4200x3000mm
- Suspensions: 6
- Gross Weight: 144t
- Dead Weight: 15,1t
- Payload: 128,9t

### 4 AXLE LINES
**MODEL 4/2/2,43 (40T)**
- Platform Dimensions: 5600x2430mm
- Suspensions: 8
- Gross Weight: 160t
- Dead Weight: 16,5t
- Payload: 143,5t

**MODEL 4/4/3,00 (40T)**
- Platform Dimensions: 5600x3000mm
- Suspensions: 8
- Gross Weight: 192t
- Dead Weight: 18t
- Payload: 142t

**MODEL 4/2/2,43 (48T)**
- Platform Dimensions: 5600x2430mm
- Suspensions: 8
- Gross Weight: 120t
- Dead Weight: 13,3t
- Payload: 130,7t

**MODEL 4/4/3,00 (48T)**
- Platform Dimensions: 5600x3000mm
- Suspensions: 8
- Gross Weight: 144t
- Dead Weight: 15,1t
- Payload: 128,9t

### 5 AXLE LINES
**MODEL 5/4/2,43 (40T)**
- Platform Dimensions: 7000x2430mm
- Suspensions: 10
- Gross Weight: 200t
- Dead Weight: 20t
- Payload: 180t

**MODEL 5/4/3,00 (40T)**
- Platform Dimensions: 7000x3000mm
- Suspensions: 10
- Gross Weight: 240t
- Dead Weight: 21,5t
- Payload: 219t

**MODEL 5/4/2,43 (48T)**
- Platform Dimensions: 7000x2430mm
- Suspensions: 10
- Gross Weight: 120t
- Dead Weight: 13,3t
- Payload: 130,7t

**MODEL 5/4/3,00 (48T)**
- Platform Dimensions: 7000x3000mm
- Suspensions: 10
- Gross Weight: 144t
- Dead Weight: 15,1t
- Payload: 128,9t

### 6 AXLE LINES
**MODEL 6/4/2,43 (40T)**
- Platform Dimensions: 8400x2430mm
- Suspensions: 12
- Gross Weight: 240t
- Dead Weight: 24t
- Payload: 216t

**MODEL 6/4/3,00 (40T)**
- Platform Dimensions: 8400x3000mm
- Suspensions: 12
- Gross Weight: 288t
- Dead Weight: 25,5t
- Payload: 214,5t

**MODEL 6/4/2,43 (48T)**
- Platform Dimensions: 8400x2430mm
- Suspensions: 12
- Gross Weight: 120t
- Dead Weight: 13,3t
- Payload: 130,7t

**MODEL 6/4/3,00 (48T)**
- Platform Dimensions: 8400x3000mm
- Suspensions: 12
- Gross Weight: 144t
- Dead Weight: 15,1t
- Payload: 128,9t

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**MSPE 40T/48T AT A GLANCE**

2120
MSPE EVO series with its 60t and 70t per axle line has the biggest payload on the market.

Thanks to suspension and tubeless tire design, it is possible to drive long distances, steep slopes under full payload capacity and this without damaging the ground.

Possibility to move important heavy loads in small areas in every direction, with 60t or 70t per axle line.
### AT A GLANCE

#### 3 AXLE LINES

<table>
<thead>
<tr>
<th>Model</th>
<th>Platform Dimensions</th>
<th>Suspension</th>
<th>Gross Weight</th>
<th>Dead Weight</th>
<th>Payload</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/2/2,43 EVO2 (60T)</td>
<td>4200x2430mm</td>
<td>6</td>
<td>180t</td>
<td>15,2t</td>
<td>164,8t</td>
</tr>
<tr>
<td>3/2/3,00 EVO2 (60T)</td>
<td>4200x3000mm</td>
<td>6</td>
<td>210t</td>
<td>16,7t</td>
<td>163,3t</td>
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<tr>
<td>3/2/2,43 EVO3 (70T)</td>
<td>4200x2430mm</td>
<td>8</td>
<td>240t</td>
<td>19,5t</td>
<td>260,5t</td>
</tr>
<tr>
<td>3/2/3,00 EVO3 (70T)</td>
<td>4200x3000mm</td>
<td>8</td>
<td>280t</td>
<td>21t</td>
<td>259t</td>
</tr>
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</table>

#### 4 AXLE LINES

<table>
<thead>
<tr>
<th>Model</th>
<th>Platform Dimensions</th>
<th>Suspension</th>
<th>Gross Weight</th>
<th>Dead Weight</th>
<th>Payload</th>
</tr>
</thead>
<tbody>
<tr>
<td>4/4/2,43 EVO2 (60T)</td>
<td>5600x2430mm</td>
<td>8</td>
<td>240t</td>
<td>19,1t</td>
<td>220,9t</td>
</tr>
<tr>
<td>4/4/3,00 EVO2 (60T)</td>
<td>5600x3000mm</td>
<td>8</td>
<td>280t</td>
<td>20,6t</td>
<td>219,4t</td>
</tr>
<tr>
<td>4/4/2,43 EVO3 (70T)</td>
<td>5600x2430mm</td>
<td>10</td>
<td>300t</td>
<td>23,5t</td>
<td>260,5t</td>
</tr>
<tr>
<td>4/4/3,00 EVO3 (70T)</td>
<td>5600x3000mm</td>
<td>10</td>
<td>350t</td>
<td>25t</td>
<td>259t</td>
</tr>
</tbody>
</table>

#### 5 AXLE LINES

<table>
<thead>
<tr>
<th>Model</th>
<th>Platform Dimensions</th>
<th>Suspension</th>
<th>Gross Weight</th>
<th>Dead Weight</th>
<th>Payload</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/4/2,43 EVO2 (60T)</td>
<td>7000x2430mm</td>
<td>10</td>
<td>300t</td>
<td>23,5t</td>
<td>276,5t</td>
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<tr>
<td>5/4/3,00 EVO2 (60T)</td>
<td>7000x3000mm</td>
<td>10</td>
<td>350t</td>
<td>25t</td>
<td>275t</td>
</tr>
<tr>
<td>5/4/2,43 EVO3 (70T)</td>
<td>7000x2430mm</td>
<td>12</td>
<td>360t</td>
<td>27,5t</td>
<td>332,5t</td>
</tr>
<tr>
<td>5/4/3,00 EVO3 (70T)</td>
<td>7000x3000mm</td>
<td>12</td>
<td>420t</td>
<td>29t</td>
<td>331t</td>
</tr>
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</table>

#### 6 AXLE LINES

<table>
<thead>
<tr>
<th>Model</th>
<th>Platform Dimensions</th>
<th>Suspension</th>
<th>Gross Weight</th>
<th>Dead Weight</th>
<th>Payload</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/4/2,43 EVO2 (60T)</td>
<td>8400x2430mm</td>
<td>12</td>
<td>360t</td>
<td>27,5t</td>
<td>332,5t</td>
</tr>
<tr>
<td>6/4/3,00 EVO2 (60T)</td>
<td>8400x3000mm</td>
<td>12</td>
<td>420t</td>
<td>29t</td>
<td>331t</td>
</tr>
<tr>
<td>6/4/2,43 EVO3 (70T)</td>
<td>8400x2430mm</td>
<td>14</td>
<td>420t</td>
<td>29t</td>
<td>391,9t</td>
</tr>
<tr>
<td>6/4/3,00 EVO3 (70T)</td>
<td>8400x3000mm</td>
<td>14</td>
<td>480t</td>
<td>32,5t</td>
<td>390,4t</td>
</tr>
</tbody>
</table>

### Technical Features

#### Drive and Braking System
- Hydrostatic drive system.
- Wet oil bath disk brakes.
- Special electronic control of hydraulic drive motors allows all motors to start precisely at the same time and inching movements down to 5mm/s.

#### TIRES AND RIMS
- Tubeless air inflated tires.
- Aramid fibers (Kevlar®) reinforcement.
- 30% more adherence thanks to the use of aeronautical tires.

#### Structure
- Strongest and most rigid chassis designed for the heaviest loads and used for all versions up to 70t.
- The patented Dual Link equipped with double reaction links provides maximum possible ground clearance.
- This design allows more payload (+40%) compared to the compass solution and minimizing horizontal displacement of the load, still granting the same working pressure in the lifting system (320bar/4630psi at full load).

#### Steering
- Electronic steered rotating slew drives are operated by two sophisticated hydraulic motors. This system is based on the strongest epicyclic drive boxes and worm screws.

### A PACKAGE FULL OF ADVANTAGES

COMBINED WITH THE WORLD’S MOST FAMOUS COMPONENTS
ALWAYS AHEAD!

High-performance Power Pack Units

<table>
<thead>
<tr>
<th>AXLE LINES (MAX)</th>
<th>48</th>
<th>24</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (LxWxH)</td>
<td>4600x2430x1100mm</td>
<td>4100x2430x1100mm</td>
<td>2900x2430x1100mm</td>
</tr>
<tr>
<td>Dead Weight</td>
<td>7800t</td>
<td>6400t</td>
<td>4700t</td>
</tr>
<tr>
<td>Performance</td>
<td>368kW</td>
<td>202kW</td>
<td>129kW</td>
</tr>
<tr>
<td>Emission Standard</td>
<td>Stage IV/V, Tier 4f</td>
<td>Stage IV/V, Tier 4f</td>
<td>Stage IV/V, Tier 4f</td>
</tr>
<tr>
<td>Brand</td>
<td>Scania</td>
<td>Scania</td>
<td>Mercedes</td>
</tr>
</tbody>
</table>

MAXIMUM FLEXIBILITY

The widest range of Power Pack Units assures maximum flexibility and always meets the future emission standards.

SMOOTH RUNNING IN THE TOUGHEST CONDITIONS

All Power Pack Units have been designed and tested under the harshest conditions. They represent the cutting edge of technology and offer the highest performance and efficiency either in cold arctic conditions or in the dry desert heat.

FULL CONTROL

The advanced electronic system installed on the Power Pack Units controls all the functions. The software continuously checks all the parameters and displays the information related to the different functions of the diesel engine, pumps, brakes, steering system, lifting system and stability conditions on a 10.4” monitor.
A WIDE RANGE OF ACCESSORIES & COMPONENTS

Obtain the best possible configuration for any type of load and maximize the unique features of the MSPE series.

SOFTWARE AND ELECTRONICS

CMS: Cometto Management Software
The Cometto Management Software (CMS) controls all the functions needed to handle different projects.

COSMO: Cometto Software for modular trailers
Enter the characteristics of the load and choose the vehicles in your configuration and COSMO will automatically analyze the transport configuration.

1. Transport management for convoy and multi-convoy
A complete transport system can be configured based on any number of convoys, whether hydraulically connected or not, with different dimensions and number of axles. COSMO can simulate the convoy in 3D pattern and vehicles can be moved with simple drag&drop commands. This new section guides the user through the configuration of complex transport systems to study the most complicated load configuration.

2. Calculation and display of bending moment graphs
COSMO performs the stability analysis of any vehicle or convoy and displays graphically the bending moment, displacement and shear stress to improve the analysis of flexion.

Real time monitoring of convoy deformation is possible. The support required for the convoy can be defined in advance thus maximizing the travel of the suspension during transport. The flexion and cut of the frame are displayed on the same screen.

COSMO can create full reports to display every result of a simulation.

REMOTE CONTROL

Compact radio remote control of only 4kg.
ADDITIONAL TOOLING

OPTIONAL ACCESSORIES

TO COMPLETE THE WORKING FIELD

Additional features can be added to the MSPE modular axle lines

- Telescopic spacer
- Tilting device
- Driver’s platforms with and without seat
- Load distributor
- Media support
- Power Pack Unit side support

TELEMAKHOS
REMOTE DIAGNOSTIC SYSTEM

Cometto is a leader in EMS technology and offers an innovative open-platform for global remote assistance, available in any part of the world.

TELEMAKHOS enables monitoring vehicles, receiving assistance from Cometto technical service as well as the transmission of software updates. The system can be connected to the remote backup system via land line (ADSL), satellite phone or mobile connection (3G/4G/5G).

- Satellite-based communication
- Making transports more productive and profitable

Additional features include:
- Fix spacer bolster
- Cabins
- Loadable spacer
- Night light kit
- Telescopic spacer
- Tilting device
- Driver’s platforms with and without seat
- Load distributor
- Media support
- Power Pack Unit side support
HIGHEST PERFORMANCE EVER!

The Strongest BladeLifter on the Market

HIGHEST STABILITY & MAXIMUM SAFETY
Patented Roto-Translation and Patented SCS - Stability Control System: The highest available stability on the market without additional movable ballast. The safest one on the market.

FLEXIBLE OPERATION SYSTEM
Operation with modular self-propelled vehicles and modular trailers: Fixation between headers or on top of the vehicle.

Combination with MODULAR SELF PROPELLED VEHICLE

<table>
<thead>
<tr>
<th>MAX. ADMITTED BLADE TORQUE</th>
<th>6.500 kNm (650 mT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX. LIFTING ANGLE - AXIS 1</td>
<td>84°</td>
</tr>
<tr>
<td>MAX. ROTATION ON BLADE - AXIS 2</td>
<td>360°</td>
</tr>
<tr>
<td>MAX. SIDE ROTATION - AXIS 3</td>
<td>+/- 20°</td>
</tr>
</tbody>
</table>

TARE WEIGHT WITHOUT ROOT INTERFACE: 55t
MAX. HEIGHT - AXIS 1 = 0°: 4.480 mm
MIN. HEIGHT WITHOUT BLADE ADAPTER - AXIS 1 = 84°: 3.550 mm
LENGTH: 7.800 mm
WIDTH: 2.990 mm

2 AXIS STANDARD VERSION

2 AXIS SPECIAL VERSION

MAX. ADMITTED BLADE TORQUE: 6.500 kNm (650 mT)
MAX. LIFTING ANGLE - AXIS 1: 84°
MAX. ROTATION ON BLADE - AXIS 2: 360°
MAX. SIDE ROTATION - AXIS 3: +/- 20°
TARE WEIGHT WITHOUT ROOT INTERFACE: 40t
MAX. HEIGHT - AXIS 1 = 0°: 4.050 mm
MIN. HEIGHT WITHOUT BLADE ADAPTER - AXIS 1 = 84°: 2.920 mm
LENGTH: 7.200 mm
WIDTH: 2.990 mm
SYNCBOX
THE CONNECTION POSSIBILITY BETWEEN SELF-PROPELLED TRAILERS

THE SYNCBOX BY COMETTO: THE ALTERNATIVE

Allows you to connect self-propelled modular trailers type Cometto MSPE 40T, 48T, EVO2 60T and/or EVO3 70T with self-propelled vehicles from competitors!

With the SyncBox as an electronic intermediate point, the vehicles can be used together. Whether coupled or in an open combination: the combination will be controlled with one radio remote control!

Discover the SyncBox in action
Are you looking to extend your existing range of vehicles in the self-propelled vehicle sector? We have the solution!

Cometto Rental is your ideal partner for the worldwide hiring of self-propelled, electronically steered MSPE modules from Cometto!

The strategic choice for every need. At Cometto Rental, the decision-making revolves around the customer. We answer every enquiry in a very short time with the right solution.
The modular structure of the Cometto vehicles results in a very high proportion of common parts. This increases the quality of the construction and is advantageous for the customer when ordering spare and wearing parts. It guarantees maximum interchangeability and decreases material expenditure. All the parts secure the maximum performances and service life of your Cometto vehicle.

Driver training

Resolutely customer-oriented

We provide a tailor-made driver training relating to your particular vehicle. Practical and theoretical! The drivers can take possession of their documents and user manuals in their respective languages. Self-explanatory and educational visual material can also be delivered. A complete support package to familiarize the drivers with the new vehicle.

Spare Parts

Direct and quick!

Our service hotline +39 0171 263320 guarantees practical and efficient assistance around the clock. The customer is king! Our experts are always available to help whenever you need assistance. Technical support can be given by our intern technicians or by local service partners. Efficient help for you, we care about you!

Service

24 hours a day