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 33,000 lbs to 33,000,000 lbs ... and beyond.

The excellent facilities in a production space of 1,615,000 ft² 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.

**Tradition & Vision**

We offer solutions for any transport challenges 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!

**Highest Quality 100% In-House**

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.

**Always & Anywhere**

Our extensive service ensures you a worldwide presence, 24 hours 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 154,300 lbs 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 distance! 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.

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

For long-term surface protection, the Faymonville Group relies on a fully coordinated and meticulously optimized surface treatment system. In addition to this, there is MAXProtect+, which is by far the best protection currently available in the industry.

User-friendly operation and programming: Continuous software updates are available and easy to install by the customer himself. 100% interoperability with existing products from the MSPE family.

The product line is completed with a full range of accessories available for every challenge.

The highest payload on the market

Air filled tires as standard

The real and only tubeless tires

The widest range

Myriads of combinations

The best corrosion protection on the market

The right choice of accessories

Safety, availability and efficiency

The highest payload on the market

Air filled tires as standard

The real and only tubeless tires

The widest range

Myriads of combinations

The best corrosion protection on the market

The right choice of accessories

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

Possibility to combine 88,100 lbs, 105,800 lbs, 132,200 lbs or 154,300 lbs vehicles, in 7’-11.67” or 9’-10.11” 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 $+135^\circ/-135^\circ$ 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.
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 9’-11.11” provides the highest stability on the market.
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 154,300 lbs down to 88,100 lbs. Suspension based on compass hydraulic type with an important stroke of 27.56”.

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 epicycloid drive boxes and worm screws.

MSPE 40T/48T
AT A GLANCE

<table>
<thead>
<tr>
<th>AXLE LINES</th>
<th>MODEL</th>
<th>PLATFORM DIMENSIONS</th>
<th>SUSPENSIONS</th>
<th>GROSS WEIGHT</th>
<th>DEAD WEIGHT</th>
<th>PAYLOAD</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 AXLE LINES</td>
<td>3/2/2,43 (40T)</td>
<td>13'-9.35”x7'-11.67”</td>
<td>6,6</td>
<td>264,300 lbs</td>
<td>28,000 lbs</td>
<td>236,300 lbs</td>
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<td></td>
<td>3/2/3,00 (40T)</td>
<td>13'-9.35”x9'-10.11”</td>
<td>6,6</td>
<td>317,400 lbs</td>
<td>32,000 lbs</td>
<td>285,400 lbs</td>
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<td>3/2/2,43 (48T)</td>
<td>13'-9.35”x7'-11.67”</td>
<td>6,6</td>
<td>298,100 lbs</td>
<td>29,300 lbs</td>
<td>268,800 lbs</td>
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<td></td>
<td>3/2/3,00 (48T)</td>
<td>13'-9.35”x9'-10.11”</td>
<td>6,6</td>
<td>333,100 lbs</td>
<td>33,300 lbs</td>
<td>300,800 lbs</td>
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<tr>
<td>4 AXLE LINES</td>
<td>4/2/2,43 (40T)</td>
<td>18'-4.47”x7'-11.67”</td>
<td>8,8</td>
<td>352,400 lbs</td>
<td>36,400 lbs</td>
<td>316,000 lbs</td>
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<td></td>
<td>4/4/3,00 (40T)</td>
<td>18'-4.47”x9'-10.11”</td>
<td>8,8</td>
<td>423,200 lbs</td>
<td>39,700 lbs</td>
<td>383,500 lbs</td>
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<td>4/2/2,43 (48T)</td>
<td>18'-4.47”x7'-11.67”</td>
<td>8,8</td>
<td>385,100 lbs</td>
<td>38,100 lbs</td>
<td>347,000 lbs</td>
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<td>4/4/3,00 (48T)</td>
<td>18'-4.47”x9'-10.11”</td>
<td>8,8</td>
<td>415,800 lbs</td>
<td>41,400 lbs</td>
<td>374,400 lbs</td>
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<td>5 AXLE LINES</td>
<td>5/4/2,43 (40T)</td>
<td>22'-11.59”x7'-11.67”</td>
<td>10,10</td>
<td>440,500 lbs</td>
<td>44,100 lbs</td>
<td>396,400 lbs</td>
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<td></td>
<td>5/4/3,00 (40T)</td>
<td>22'-11.59”x9'-10.11”</td>
<td>10,10</td>
<td>529,000 lbs</td>
<td>47,400 lbs</td>
<td>481,600 lbs</td>
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<td></td>
<td>5/4/2,43 (48T)</td>
<td>22'-11.59”x7'-11.67”</td>
<td>10,10</td>
<td>482,700 lbs</td>
<td>46,300 lbs</td>
<td>436,400 lbs</td>
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<td></td>
<td>5/4/3,00 (48T)</td>
<td>22'-11.59”x9'-10.11”</td>
<td>10,10</td>
<td>514,100 lbs</td>
<td>49,600 lbs</td>
<td>464,500 lbs</td>
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<tr>
<td>6 AXLE LINES</td>
<td>6/4/2,43 (40T)</td>
<td>27'-6.71”x7'-11.67”</td>
<td>12,12</td>
<td>528,600 lbs</td>
<td>52,900 lbs</td>
<td>475,700 lbs</td>
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<tr>
<td></td>
<td>6/4/3,00 (40T)</td>
<td>27'-6.71”x9'-10.11”</td>
<td>12,12</td>
<td>634,800 lbs</td>
<td>56,200 lbs</td>
<td>578,600 lbs</td>
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<tr>
<td></td>
<td>6/4/2,43 (48T)</td>
<td>27'-6.71”x7'-11.67”</td>
<td>12,12</td>
<td>579,200 lbs</td>
<td>55,600 lbs</td>
<td>523,600 lbs</td>
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<tr>
<td></td>
<td>6/4/3,00 (48T)</td>
<td>27'-6.71”x9'-10.11”</td>
<td>12,12</td>
<td>610,800 lbs</td>
<td>58,900 lbs</td>
<td>551,900 lbs</td>
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</tbody>
</table>
MSPE EVO2 60T
MSPE EVO3 70T

THE GROUND IS THE LIMIT

Possibility to move important heavy loads in small areas in every direction, with 132,200 lbs or 154,300 lbs per axle line.

MSPE EVO series with its 132,200 lbs and 154,300 lbs 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 132,200 lbs or 154,300 lbs per axle line.

THE GROUND IS THE LIMIT

MSPE EVO2 60T
MSPE EVO3 70T
A PACKAGE FULL OF ADVANTAGES
COMBINED WITH THE WORLD’S MOST FAMOUS COMPONENTS

3 AXLE LINES

**MODEL**
- 3/2/2,43 EVO2 (60T)
- 3/2/3,00 EVO2 (60T)
- 3/2/2,43 EVO3 (70T)
- 3/2/3,00 EVO3 (70T)

**PLATFORM DIMENSIONS**
- 13'-9.35" x 7'-11.67"
- 13'-9.35" x 9'-10.11"

**SUSPENSIONS**
- 6

**GROSS WEIGHT**
- 396,600 lbs
- 462,900 lbs

**DEAD WEIGHT**
- 33,500 lbs
- 36,800 lbs
- 34,200 lbs
- 38,100 lbs

**PAYLOAD**
- 363,100 lbs
- 359,800 lbs
- 428,700 lbs
- 424,800 lbs

4 AXLE LINES

**MODEL**
- 4/4/2,43 EVO2 (60T)
- 4/4/3,00 EVO2 (60T)
- 4/4/2,43 EVO3 (70T)
- 4/4/3,00 EVO3 (70T)

**PLATFORM DIMENSIONS**
- 18'-4.47" x 7'-11.67"
- 18'-4.47" x 9'-10.11"

**SUSPENSIONS**
- 8

**GROSS WEIGHT**
- 528,800 lbs
- 617,200 lbs

**DEAD WEIGHT**
- 42,100 lbs
- 45,400 lbs
- 43,000 lbs
- 46,300 lbs

**PAYLOAD**
- 486,700 lbs
- 483,400 lbs
- 574,200 lbs
- 570,900 lbs

5 AXLE LINES

**MODEL**
- 5/4/2,43 EVO2 (60T)
- 5/4/3,00 EVO2 (60T)
- 5/4/2,43 EVO3 (70T)
- 5/4/3,00 EVO3 (70T)

**PLATFORM DIMENSIONS**
- 22'-11.59" x 7'-11.67"
- 22'-11.59" x 9'-10.11"

**SUSPENSIONS**
- 10

**GROSS WEIGHT**
- 661,000 lbs
- 771,500 lbs

**DEAD WEIGHT**
- 51,800 lbs
- 55,100 lbs
- 52,900 lbs
- 56,200 lbs

**PAYLOAD**
- 609,200 lbs
- 605,900 lbs
- 718,600 lbs
- 715,300 lbs

6 AXLE LINES

**MODEL**
- 6/4/2,43 EVO2 (60T)
- 6/4/3,00 EVO2 (60T)
- 6/4/2,43 EVO3 (70T)
- 6/4/3,00 EVO3 (70T)

**PLATFORM DIMENSIONS**
- 27'-6.71" x 7'-11.67"
- 27'-6.71" x 9'-10.11"

**SUSPENSIONS**
- 12

**GROSS WEIGHT**
- 793,200 lbs
- 925,800 lbs

**DEAD WEIGHT**
- 60,600 lbs
- 63,900 lbs
- 61,900 lbs
- 65,300 lbs

**PAYLOAD**
- 732,600 lbs
- 729,300 lbs
- 863,900 lbs
- 860,500 lbs

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**STRUCTURE**

Strongest and most rigid chassis designed for the heaviest loads and used for all versions up to 154,300 lbs. 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 (230bar/3380psi at full load).

**HYDRAULIC DOUBLE EFFECT LIFTING CYLINDER**

The patented hydraulic Advanced System enables synchronized lifting pressure and ground loads when different MSPE families are mixed in the same convoy and allows hydraulic lifting of each single suspension.

**TIRES AND RIMS**

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

**DRIVE AND BRAKING SYSTEM**

Hydromatic 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 0.2" / s.

**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.
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><strong>SMALL</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AXLE LENGTH (L)</td>
<td>15’-1.1&quot;</td>
<td>13’-5.42&quot;</td>
<td>9’-6.17&quot;</td>
</tr>
<tr>
<td>AXLE WIDTH (W)</td>
<td>7’-11.67”</td>
<td>7’-11.67”</td>
<td>3’-7.31”</td>
</tr>
<tr>
<td>DEADWEIGHT (D)</td>
<td>11,000 lbs</td>
<td>11,000 lbs</td>
<td>7,500 lbs</td>
</tr>
<tr>
<td>PERFORMANCE</td>
<td>368kW</td>
<td>202kW</td>
<td>129kW</td>
</tr>
<tr>
<td>EMISSIONS</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 ensures 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, whether 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.

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, whether in cold arctic conditions or in the dry desert heat.
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. The CMS is equipped with a range of pre-set solutions to maximize the efficiency and flexibility.

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 travels 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.

35
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).
**HIGHEST PERFORMANCE EVER!**

The strongest blade lifter 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**

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### 3-Axis Special Version

| **Max. Admitted Blade Torque - Axis 1** | 4,800 kips-ft (650 mT) |
| **Max. Admitted Blade Torque - Axis 2** | 4,800 kips-ft (650 mT) |
| **Max. Admitted Blade Torque - Axis 3 > 0°** | 2,580 kips-ft (350 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** | 121,300 lbs |
| **Max. Height - Axis 1 = 0°** | 14'-8.38" |
| **Min. Height Without Blade Adapter - Axis 1 = 84°** | 11'-7.76" |
| **Length** | 25'-7.09" |
| **Width** | 9'-9.72" |

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### 2-Axis Standard Version

| **Max. Admitted Blade Torque - Axis 1** | 4,800 kips-ft (650 mT) |
| **Max. Admitted Blade Torque - Axis 2** | 2,580 kips-ft (350 mT) |
| **Max. Lifting Angle - Axis 1** | 84° |
| **Max. Rotation on Blade - Axis 2** | 360° |
| **Max. Rotation Without Root Interface** | 127-300.positions |
| **Max. Height - Axis 1 = 0°** | 13'-3.45" |
| **Min. Height Without Blade Adapter - Axis 1 = 84°** | 9'-6.96" |
| **Length** | 23'-7.46" |
| **Width** | 9'-9.72" |
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 40T 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.
Spare Parts
Direct and quick!

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.

Service
24 hours a day

Our service hotline +39 0171 263330 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!