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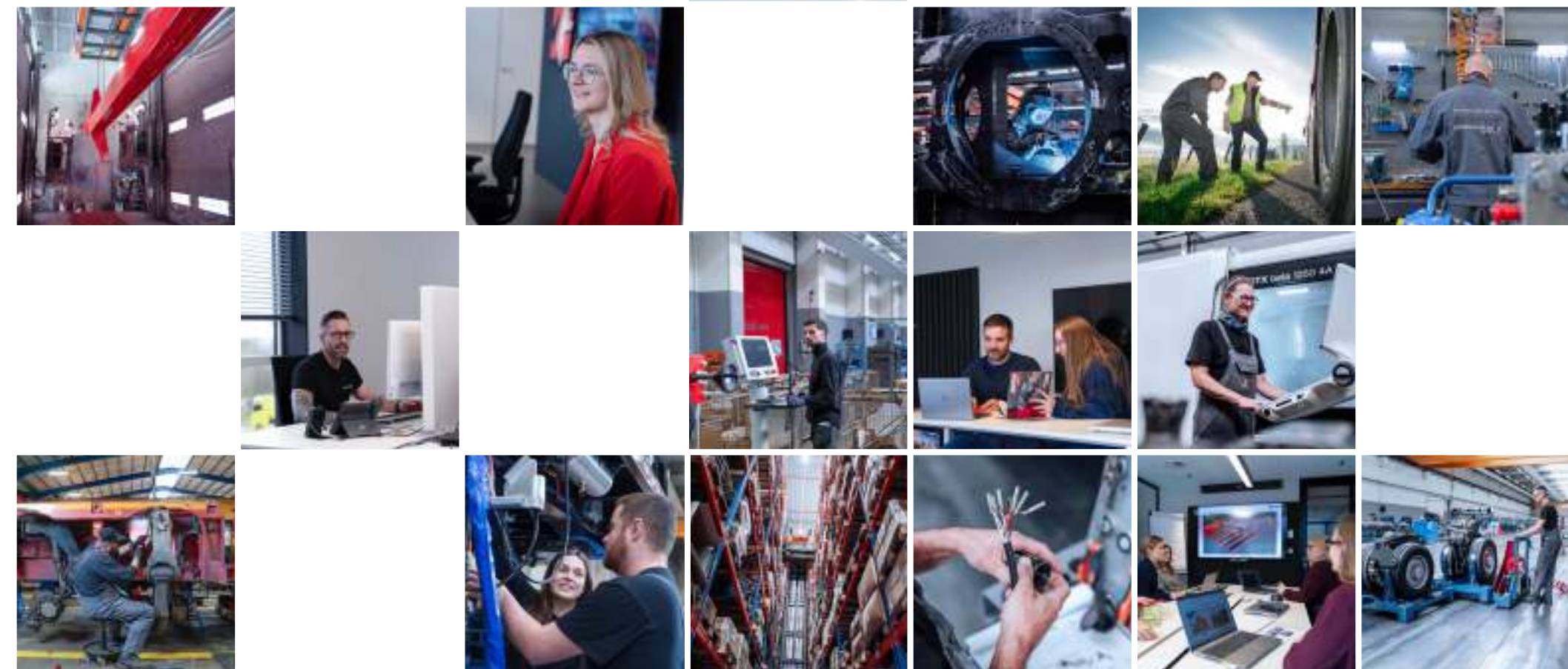
COMETTO 
PROPELLED TO THE **MAX**

MOVE IT YOUR WAY

SPMT | MSPE



Powered by **FAYMONVILLE** 
GROUP



With our four vehicle brands, MAX Trailer, Faymonville, Morello and Cometto,
we are the world's leading full-range manufacturer of vehicles for heavy loads and special transport.
Our portfolio includes semi-trailers, low-loaders, flatbeds, inloaders, self-steering trailers, modular vehicles, self-propelled trailers, and intralogistics solutions,
designed to move exceptionally heavy, long, wide, or tall loads. Our transport solutions cover payloads from 5 t to 25,000 t ... and beyond.
Backed by state-of-the-art production facilities covering 243,800 m², we create high-tech vehicles that set global standards in quality, performance, and innovation.



TRADITION & VISION

As a seventh-generation family business, we've evolved from a small forge in Belgium to the industry leader. Alexander Fickers took the helm as CEO of the Faymonville Group in 2024. The Faymonville family remains actively involved and continues to shape the company.

WE OFFER SOLUTIONS

Thanks to an outstanding mix of experience, flexibility and know-how, we provide sophisticated solutions for any transport challenge. From development to production, we offer the necessary expertise every step of the way.



HIGHEST QUALITY 100% IN-HOUSE

We place our trust in our optimized production processes, the high-end infrastructure and machinery park and our team of highly skilled employees. As a company committed to quality, we strive to uphold the highest standards to ensure the excellence of our products.



FAST SPARE PARTS DELIVERY

The modular structure of Cometto vehicles ensures a high proportion of common parts, enhancing construction quality. This benefits customers when ordering spare parts, ensuring maximum interchangeability and reducing material costs while guaranteeing peak performance and lifespan for your Cometto vehicle.



INTENSIVE DRIVER TRAINING

We offer a customized driver training for your specific vehicle, both practical and theoretical. Drivers receive documents and user manuals in their language, along with self-explanatory visual materials. It's a comprehensive support package to ensure drivers are familiarized with their new vehicle efficiently.



ALWAYS & ANYWHERE 24/7

Our comprehensive service guarantees you a worldwide presence, 24 hours a day, 7 days a week. The Faymonville Group offers the most sustainable and comprehensive customer service in the industry.



Cometto Service Hotline

+39 348 060 052 4





DRIVEN BY INNOVATION

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 almost all Space Companys worldwide, including the NASA Orbiter Space Shuttle as well as the ARIANE projects.

THE PRODUCT RANGE

The Cometto self-propelled electronic modular trailers (MSPE) provide **a complete system for heavy load transportation**. The unique MSPE range features three families with different characteristics, dimensions, payloads, and bending moments, while maintaining core commonalities that allow **full interoperability** between the different product lines.



**EXPLORE OUR MSPE
OVERVIEW VIDEO**

MSPE

Standard / Heavy Duty version



NEW!

MSPE

Standard / Heavy Duty version



MSPE
EVO

Standard / Heavy Duty version



UNIQUE ON THE MARKET

STEERING

Electronically steered rotating slew drives are operated by a powerful hydraulic motor. This system is based on a stationary ring gear and worm screws with the possibility to handle heavy loads and manage the most precise positioning.

SAFETY, AVAILABILITY AND EFFICIENCY

User-friendly operation and programming: Continuous software updates are available and easy to install by the customer himself. High performance level and redundant hardware.

THE HIGHEST PAYLOAD ON THE MARKET

Only Cometto offers up to 70t per axle line on its MSPE self-propelled electronic modules.

THE REAL AND ONLY TUBELESS TIRES

Air filled tubeless assembly allows the usage of the vehicle at full load and with important slopes on a longer distance! The highest payloads are achieved with tubeless tires as standard, thanks to the unique concept and design of the special rim and tire combination.

THE WIDEST RANGE

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

THE RIGHT CHOICE OF ACCESSORIES

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

INNOVATIVE ALUMINIUM RIMS FOR SUPERIOR PERFORMANCE

Cometto offers state-of-the-art aluminum rims as standard, ensuring safer operations, reduced weight, and superior heat dissipation during demanding tasks.

MYRIADS OF COMBINATIONS

100% interoperability with existing products from the MSPE family.

THE BEST CORROSION PROTECTION ON THE MARKET

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. Hydraulic pipes are treated with Zistaplex ® technology.

TYRE PRESSURE MONITORING SYSTEM AVAILABLE **NEW!**

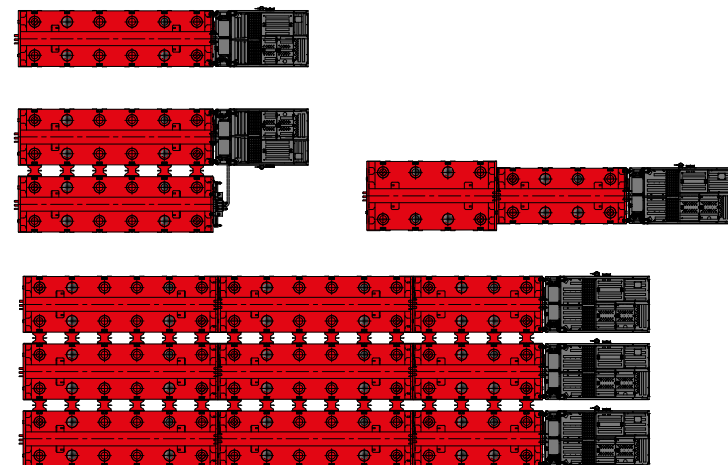
The fact that Cometto is the first manufacturer to integrate the Tire Pressure Monitoring System TPMS as feature into self-propelled modular transporters elevates safety and time-saving on a new level. This innovative solution significantly reduces preparation and maintenance time by a factor of more than ten.



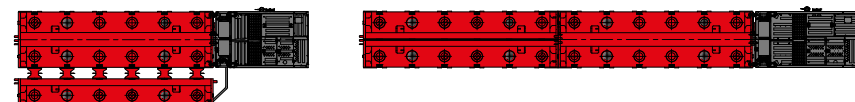
VEHICLE COMBINATIONS

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

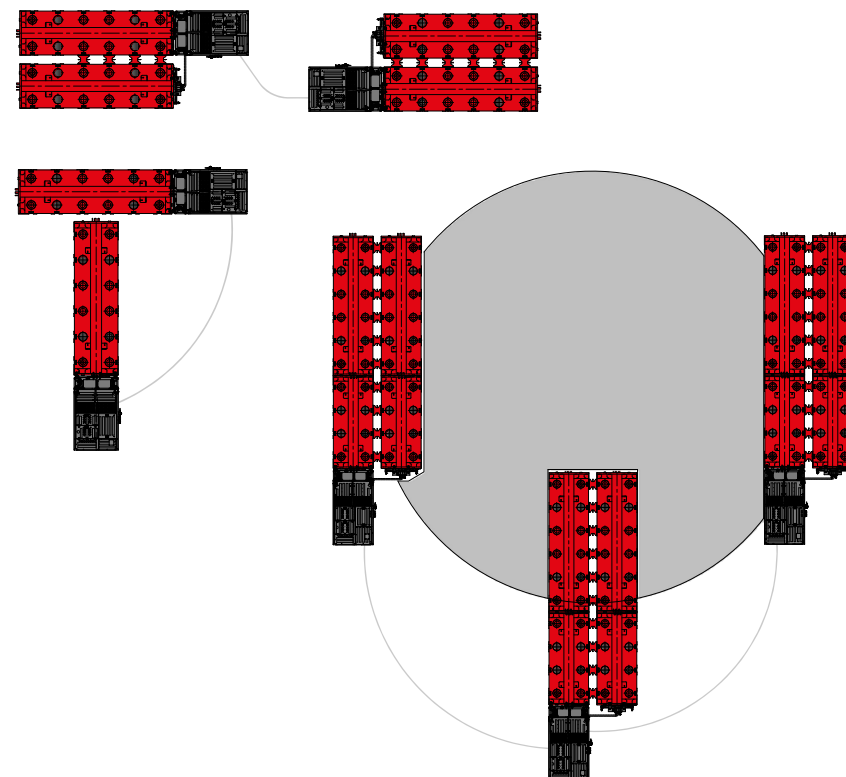
POSSIBILITY TO COMBINE 48T, 60T OR 70T VEHICLES, IN 2430 MM OR 3000 MM WIDTH VERSION AND WITH 3, 4, 5 OR 6 MODULAR AXLE LINES.



SPLIT-MODULES



OPEN COMBINATIONS



INFINITE POTENTIAL & ALTERNATIVES



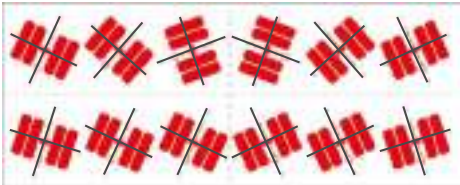
PRECISE STEERING TECHNOLOGY

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

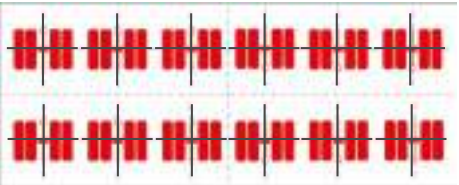
By applying its unique remote control, the high performance steering and a perfect synchronization is still ensured even if different MSPE families are mixed in the same convoy.



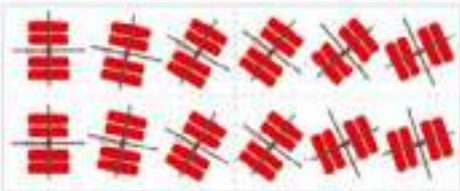
NORMAL DRIVE



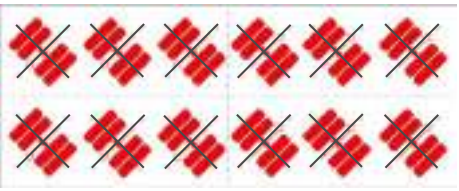
LATERAL DRIVE



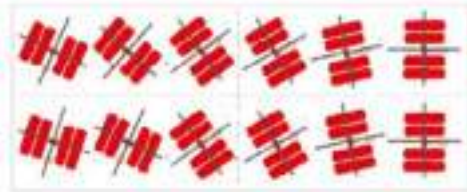
REAR DRIVE



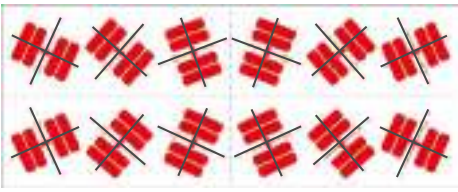
DIAGONAL DRIVE



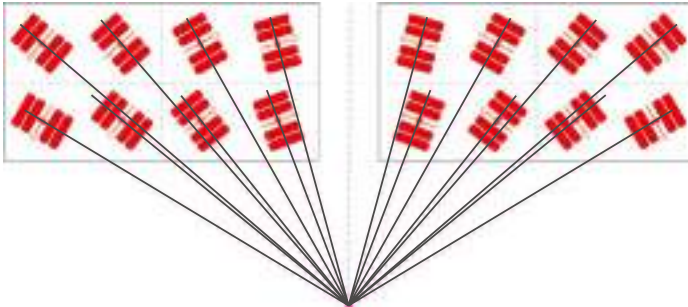
FRONT DRIVE



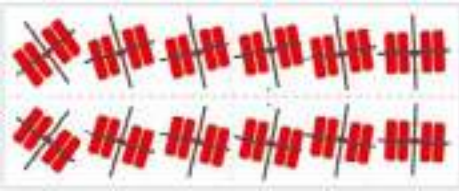
CIRCULAR DRIVE (CAROUSEL)



MULTI-DIRECTIONAL STEERING CONFIGURATIONS



TRANSVERAL NORMAL DRIVE



TRANSVERAL DIAGONAL DRIVE



THE ALLROUNDER SOLUTION

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

MSPE 48T	
2430	3000
1500+/-350 mm	
355/65-15 32Pr TUBELESS	
48 t	

MSPE

Standard / Heavy Duty version



- + Robust and versatile.
Ready for any heavy duty task.
- + Width up to 3 m provides the highest stability on the market
- + Standard Night Kit : LED equipped above each suspension for an optimum visibility
- + The real and only tubeless tires
- + 16t lifting rings as standard
- + Bending moment
48T Standard: 7250 kN.m
48T Heavy Duty: 9400 kN.m
- + TPMS available*

* for 4.5 and 6 axle lines modules

A PACKAGE FULL OF ADVANTAGES

COMBINED WITH THE WORLD’S MOST TRUSTED COMPONENTS

STRUCTURE

2 available chassis versions: Standard and Heavy Duty. Strongest and most rigid chassis designed for the heaviest loads and used for all versions, from 70 T, down past the 60 T range, all the way to 48 T. Suspension based on compass hydraulic type with an important stroke of 700 mm.

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

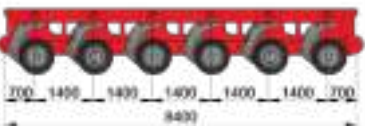
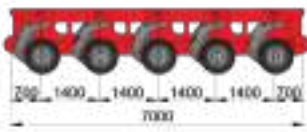
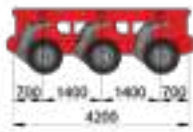
Air inflated tires.
Tubeless tires with aluminium rims.

DRIVE AND BRAKING SYSTEM

Hydrostatic drive system and drum brakes.



AT A GLANCE

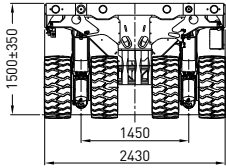
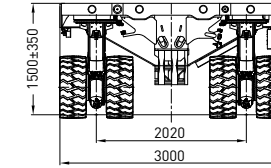


	3 AXLE LINES		4 AXLE LINES		5 AXLE LINES		6 AXLE LINES	
MODEL	3/2/2,43/48	3/2/3,00/48	4/4/2,43/48	4/4/3,00/48	5/4/2,43/48	5/4/3,00/48	6/4/2,43/48	6/4/3,00/48
PLATFORM DIMENSIONS	4200 x 2430 mm	4200 x 3000 mm	5600 x 2430 mm	5600 x 3000 mm	7000 x 2430 mm	7000 x 3000 mm	8400 x 2430 mm	8400 x 3000 mm
SUSPENSIONS	6		8		10		12	
GROSS WEIGHT	144 t		192 t		240 t		288 t	
DEAD WEIGHT	13 t	14,5 t	17 t	18,5 t	20,5 t	22,5 t	24 t	26 t
PAYLOAD	131 t	129,5 t	175 t	173,5 t	219,5 t	217,5 t	264 t	262 t

Technical features at 4 km/h

ONE SYSTEM. TOTAL FLEXIBILITY.

A modular system designed for versatile configurations, providing maximum adaptability and reliable performance across a wide range of special and heavy transport applications.

MSPE 60T	
2430	3000
	
1500+/-350 mm	
355/65-15 32Pr TUBELESS	
60 t	

MSPE

Standard / Heavy Duty version



- + Robust and versatile.
Ready for any heavy duty task.
- + Width up to 3m provides the highest stability on the market
- + Standard Night Kit : LED equipped above each suspension for an optimum visibility
- + The real and only tubeless tires
- + 16t lifting rings as standard
- + Bending moment
60T Standard: 7250 kN.m
60T Heavy Duty: 9400 kN.m
- + TPMS as a standard

A PACKAGE FULL OF ADVANTAGES

COMBINED WITH THE WORLD’S MOST TRUSTED COMPONENTS

STRUCTURE

2 available chassis versions: Standard and Heavy Duty. Strongest and most rigid chassis designed for the heaviest loads and used for all versions, from 70 T, down past the 60 T range, all the way to 48 T. Suspension based on compass hydraulic type with an important stroke of 700 mm.

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

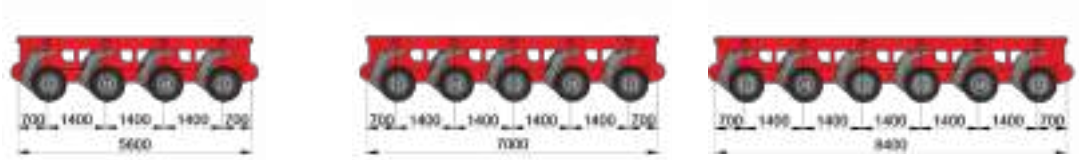
Air inflated tires.
Tubeless tires with aluminium rims.

DRIVE AND BRAKING SYSTEM

Hydrostatic drive system and drum brakes.



AT A GLANCE



	4 AXLE LINES		5 AXLE LINES		6 AXLE LINES	
MODEL	4/4/2,43/48	4/4/3,00/48	5/4/2,43/48	5/4/3,00/48	6/4/2,43/48	6/4/3,00/48
PLATFORM DIMENSIONS	5600 x 2430 mm	5600 x 3000 mm	7000 x 2430 mm	7000 x 3000 mm	8400 x 2430 mm	8400 x 3000 mm
SUSPENSIONS	8		10		12	
GROSS WEIGHT	240 t		300 t		360 t	
DEAD WEIGHT	17,4 t	18,9 t	21 t	23 t	24,6 t	26,5 t
PAYLOAD	222,6 t	221,1 t	279 t	277 t	335,4 t	333,5 t

Technical features at 2 km/h

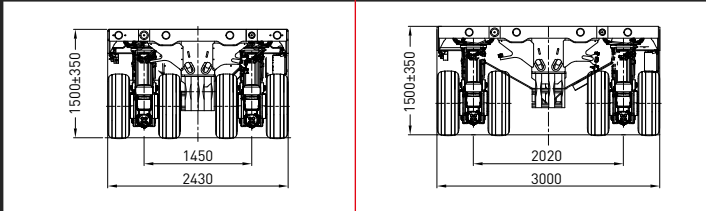
THE GROUND IS THE LIMIT

Possibility to move important heavy loads in small areas in every direction, with 70 t per axle line.

MSPE EVO3 70T

2430

3000



1460+/-300 mm

33,5x11,25-15 26Pr TUBELESS

70 t

MSPE
EVO

Standard / Heavy Duty version



- + MSPE EVO series with its 70 t 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 with a better force spread on the ground.
- + Standard Night kit : LED equipped above each suspension for an optimum visibility
- + The real and only tubeless tires
- + 16t lifting rings as standard
- + Bending moment
70T Standard: 7250 kN.m
70T Heavy Duty: 9400 kN.m

A PACKAGE FULL OF ADVANTAGES

COMBINED WITH THE WORLD’S MOST TRUSTED COMPONENTS

STRUCTURE

2 available chassis versions: Standard and Heavy Duty. Most rigid chassis designed for the heaviest loads and used for all versions up to 70 t. 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).

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. Aluminum rims specifically designed for reduced weight, enhanced corrosion resistance, and improved heat dissipation.

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 5 mm/s.

PATENTED MSPE 70T DUAL-LINK SUSPENSION

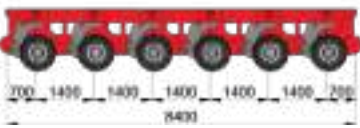
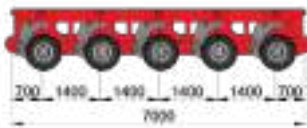
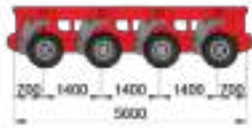
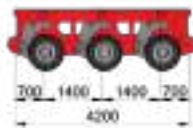
- The patented Cometto Dual-Link suspension offers an optimized force repartition in the suspension structure allowing the highest payload per axle line on the market.
- The axle geometry gives the highest possible precision during the load positioning.

UNIQUE! SYNC START

- Special electronic control of hydraulic drive motors allows:
- All motors to start precisely at the same time
 - Inching movements down to 5 mm/s



AT A GLANCE



	3 AXLE LINES		4 AXLE LINES		5 AXLE LINES		6 AXLE LINES	
MODEL	3/2/2,43/EVO3	3/2/3,00/EVO3	4/4/2,43/EVO3	4/4/3,00/EVO3	5/4/2,43/EVO3	5/4/3,00/EVO3	6/4/2,43/EVO3	6/4/3,00/EVO3
PLATFORM DIMENSIONS	4200 x 2430 mm	4200 x 3000 mm	5600 x 2430 mm	5600 x 3000 mm	7000 x 2430 mm	7000 x 3000 mm	8400 x 2430 mm	8400 x 3000 mm
SUSPENSIONS	6		8		10		12	
GROSS WEIGHT	210 t		280 t		350 t		420 t	
DEAD WEIGHT	14,5 t	16 t	19 t	20,5 t	23 t	25 t	27 t	29 t
PAYLOAD	195,5 t	194 t	261 t	259,5 t	327 t	325 t	393 t	391 t

Technical features at 1 km/h

ALWAYS AHEAD!

COMETTO IS THE ONLY MANUFACTURER OFFERING ALL THREE POWERPACKS: DIESEL, HYBRID, AND ELECTRIC

- MAXIMUM FLEXIBILITY**
A wide range of Power Pack Units ensuring flexibility and future emission standard compliance.
- SMOOTH RUNNING IN THE TOUGHEST CONDITIONS**
Tested in the harshest environments for top performance in cold and heat.
- FULL CONTROL**
Advanced electronics monitor all functions, displaying key parameters on a 10.4" screen.

NEW!
POWERPACKS AVAILABLE WITH HYBRID AND ELECTRIC DRIVE FOR EMISSION-FREE AND QUIET HANDLING
High-capacity batteries | Compatible with all MSPE modules and Powerpacks



DIESEL POWER PACK UNIT						
AXLE LINES (MAX)	40		24		12	
	LARGE		MEDIUM		SMALL	
DIMENSIONS (L x W x H)	4600 x 2430 x 1100 mm		4100 x 2430 x 1100 mm		2800 x 2430 x 1100mm	
DEAD WEIGHT	7600 kg	7500 kg	6400 kg	6400 kg	4500 kg	4400 kg
PERFORMANCE	368 kW	331 kW	202 kW	202 kW	105 kW	105 kW
EMISSION STANDARD	Stage V, Tier 4f	Stage IIIA, Tier 3	Stage V, Tier 4f	Stage IIIA, Tier 3	Stage V, Tier 4f	Stage IIIA, Tier 3
BRAND	Scania	Scania	Scania	Scania	Deutz	Deutz

HYBRID & ELECTRIC POWER PACK UNIT			
AXLE LINES (MAX)	24	18	18
	H-POWER PACK UNIT	E-POWER PACK UNIT	E-POWER PACK UNIT
DIMENSIONS (L x W x H)	5400 x 2430 x 1100 mm	4100 x 2430 x 1100 mm	3500 x 2430 x 1100 mm
DEAD WEIGHT	8900 kg	7200 kg	6000 kg
PERFORMANCE	230 kW electric + 294 kW Diesel	230 kW	230 kW
BRAND	Scania	Scania	Scania
BATTERY TYPE	Li-ion	Li-ion	Li-ion
BATTERY CAPACITY	156 kWh SOC 75%	312 kWh SOC 75%	156 kWh SOC 75%
FAST CHARGING	Up to 200 kW	Up to 200 kW	Up to 200 kW

ACCESSORIES & COMPONENTS

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

REMOTE CONTROL

Compact radio remote control of only 4 kg.



COSMO^{PRO}

Cometto Simulation Software

CosmoPRO simplifies the process of configuring transport solutions:

Transport management for convoy and multi-convoy:

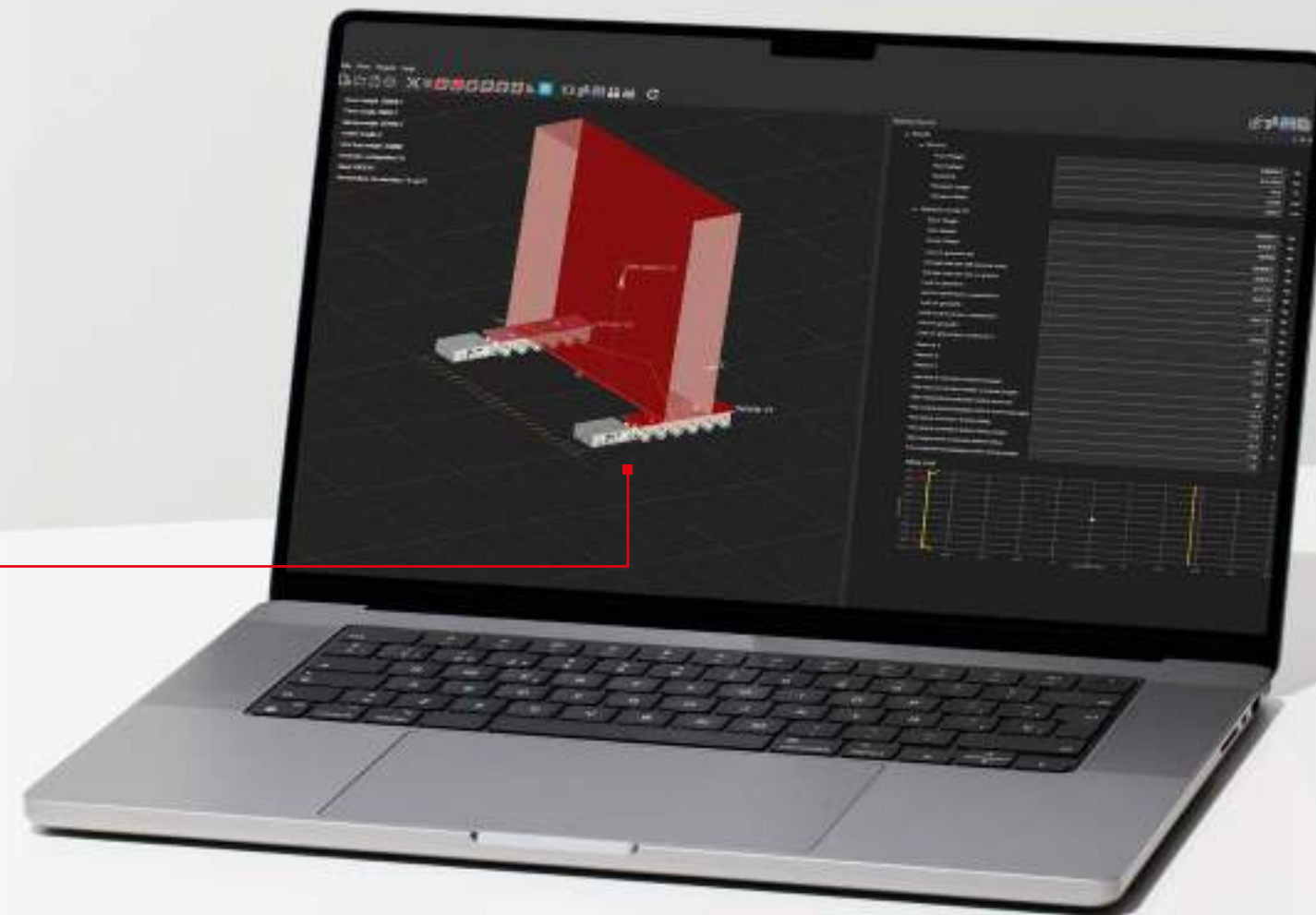
Configure complete transport systems, whether hydraulically connected or not, with varying dimensions and axle numbers. CosmoPRO's 3D simulation allows for easy drag-and-drop movement of vehicles, guiding users through complex configurations.

Calculation and display of bending moment graphs:

Perform stability analysis and display bending moments, displacements, and shear stresses graphically. Real-time monitoring of convoy deformation is possible, allowing for advance definition of required support and optimizing suspension travel during transport. CosmoPRO generates reports summarizing simulation results.



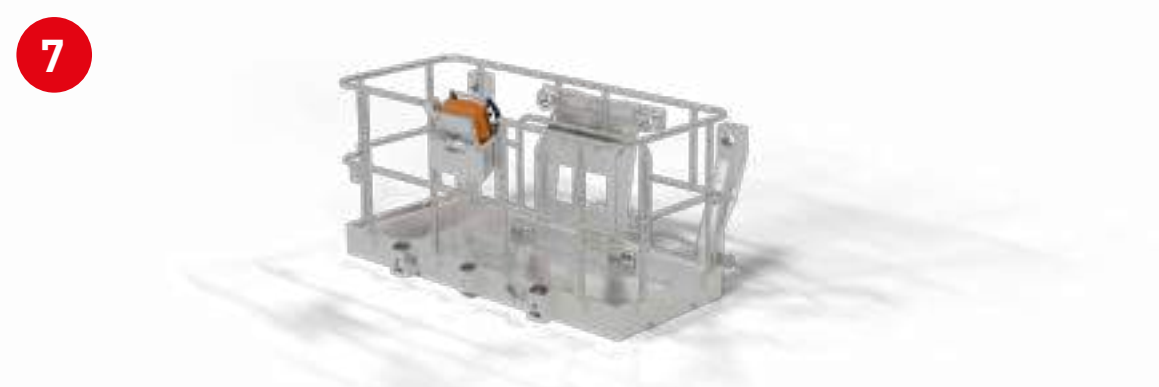
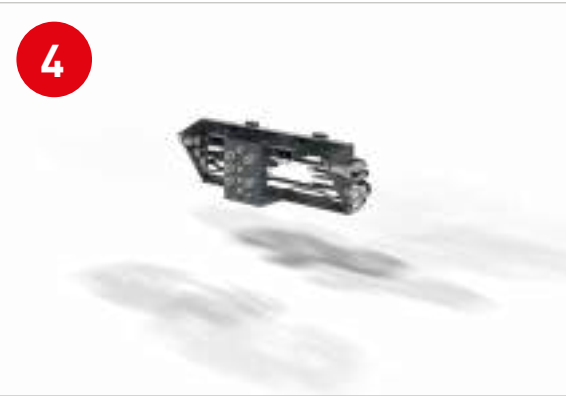
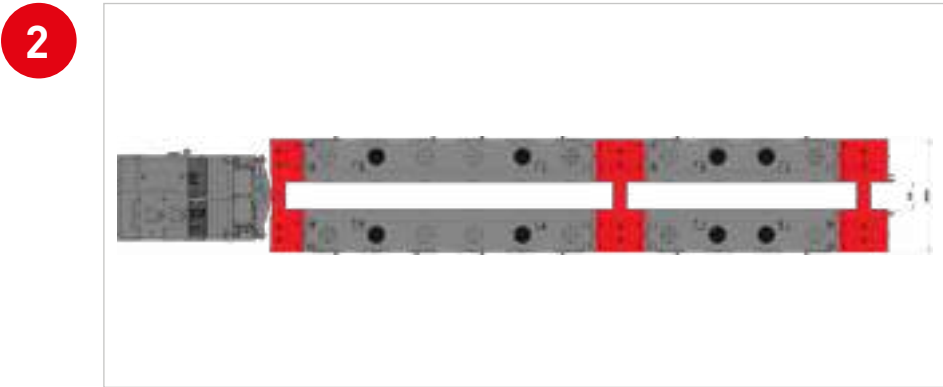
SMART CONNECT



OPTIONAL ACCESSORIES

TO COMPLETE THE WORKING FIELD
Additional features can be added to the MSPE modular axle lines

1	Loadable spacer
2	Widening system for split modules
3	Bolster
4	Media bar kit
5	Side by side or open compound connection kits
6	Fully equipped bumpers
7	Operator Platform
8	Cabins
9	Telescopic spacer
	Tilting device
	Foamed tires available
	Load distributor
	Power Pack Unit side support



SYNCBOX

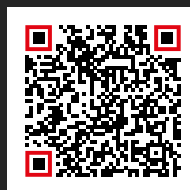
THE CONNECTION POSSIBILITY
BETWEEN SELF-PROPELLED
TRAILERS

THE SYNCBOX BY COMETTO:
THE ALTERNATIVE

Allows you to connect self-propelled **modular trailers type Cometto MSPE 48T, 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!**



**WATCH
NOW**



WINTER PACKAGE

THROUGH SNOW AND ICE

1. WINTER KIT

Up to -25° - Heating system on the Powerpack

2. ARCTIC KIT

Up to -40° - Additional modifications on the modules and Powerpacks



TELEMATICS

CONNECT. INSIGHT. OPTIMIZE.
Available across the standard product line.

PICK YOUR LEVEL TODAY.

Choose Connect, Insight, or Optimize - and add capabilities as your operations grow.

MSPE 6/4/243/48T

1

MSPE 4/4/243/48T

2

POWERPACK 368KW STAGE V

3

POWERPACK 105KW STAGE V

4

MSPE • SPE • ECO SERIES • APM • BLADEMAX		
LEVEL 1 CONNECT*	LEVEL 2 INSIGHT	LEVEL 3 OPTIMIZE
Core diagnostics & remote assist	Usage & performance telemetry	Fleet & predictive intelligence
Remote diagnostics & error codes for faster fixes.	Level 1+	Level 2+
Live operating status and HMI mirroring on-site.	Working hours and effective hours.	TPMS*
	GPS position recorded.*	GPS 24/7
	Black Box Analytics cloud for viewing and export.	Fleet management
		Predictive maintenance with AI to plan service proactively.
		All your product documentation in one digital space, always accessible.

*Available only for Powerpacks
Standard for PPU Stage V/Tier 4f
Optional for PPU Stage IIIA
* TPMS availability depends on configuration; confirm at order time

TPMS

TYRE PRESSURE MONITORING SYSTEM

THE GAME-CHANGER FOR SPMT MAINTENANCE

The fact that Cometto is the first manufacturer to integrate the Tire Pressure Monitoring System TPMS as feature into Self-Propelled Modular Transporters elevates safety and time-saving on a new level.

This innovative solution significantly **reduces preparation and maintenance time by a factor of more than ten**. That means your SPMT fleet spends more time in action and less in idle mode.

WATCH NOW

In addition, TPMS enhances multiple critical aspects:

Safety: Ensure the well-being of your workforce and the integrity of your cargo - underinflated or overinflated tires can lead to dangerous blowouts causing accidents or damage to the equipment.

Efficiency: Proper tire pressure means smoother operations—improving fuel economy, extending tire life and cutting costs, especially for frequent use or long hauls.

Convenience: TPMS uses a wireless system with sensors mounted on the rims. These sensors transmit real-time tire pressure data to a CPU, ensuring accurate and instant monitoring. The sensors are equipped with easily replaceable batteries that can be changed without dismounting the tires.

NEW!

A WORLD PREMIERE:

The first usage of a tire pressure monitoring system in SPMT!

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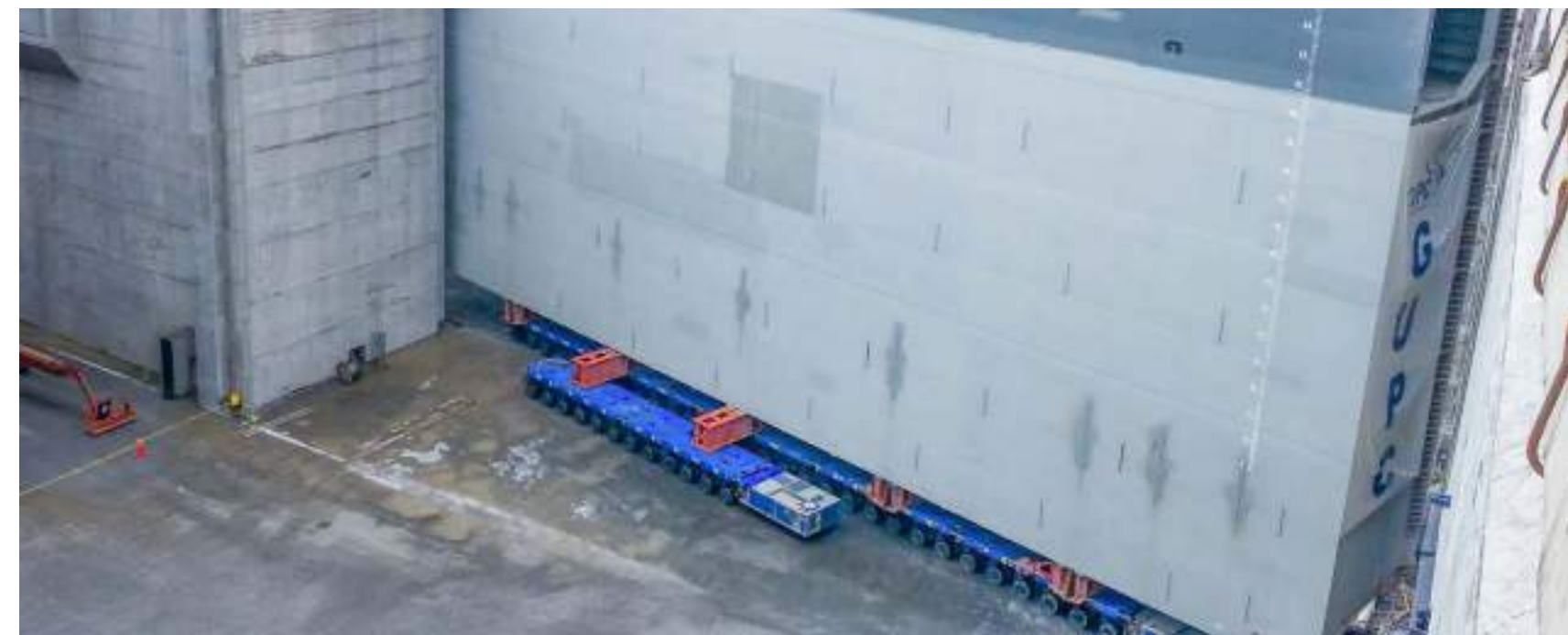
FILSTAL BRIDGE PROJECT



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6 production facilities in Luxembourg, Poland, Belgium, Italy and the USA

100% in-house production

More than **1,530 employees**

Production capacity of over
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243,800 m² production area

Worldwide distribution in
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Stress in use and the effects of weather put the steel construction of every vehicle to the test. Faymonville Group counters these challenges with its MAXProtect+ surface protection. This principle is applied as standard with every vehicle. Every stage – from shot-blasting and the full-surface metallisation with zinc/aluminium to the final coating – is carried out by Faymonville Group in-house, further developed and tested on the basis of meaningful parameters.

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After a salt spray test lasting 2,400 hours, there is no red rust on a one millimetre deep scratch made beforehand

100 percent active protection against red rust

High zinc content provides for a self-healing effect

High edge protection due to mechanical anchoring

Optimal adhesion properties of the coating system in case of chain impacts or stone chips

The best protective effect in the automotive industry

THE **MAXPROTECT+** PROCESS SEQUENCE:

1. Machine blasting
 2. Manual blasting
 3. Zinc spraying by electric arc
 4. Joint sealing
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