

# DAVID VS GOLIATH

A small Italian axle manufacturer is taking a brave stand against the giants that dominate the sector, producing innovative solutions for small- to mid-size machinery

**W**hen Officine Meccaniche EME Srl was established in 1962, it immediately started its own production of drive axles, gears, reducers and distributors for industrial vehicles. Ever since, the remarkable number of applications it has designed and realised for many different types of vehicles has enabled the company to be a small but ever-present and consolidated brand in the off-highway market.

At present, the plant in Modena, Italy, employs a total of 50 workers, featuring many young and qualified technical staff, who can design and produce a variety of new applications in a very short time, to satisfy the special needs of an increasingly dynamic market.

The company's current production range includes complete drive units for site dumpers and other small construction vehicles, small and medium excavators, and four-wheel drive multipurpose vehicles. Its products can also be fitted to wheeled loaders, backhoe loaders, baggage tractors or mobile belt loaders used as airport ground support equipment, counterbalance or rough-terrain forklifts, or municipal vehicles used for cleaning and sweeping purposes.

With a wide and various choice of products, EME is able to satisfy almost all requirements, while its relatively small size and the flexibility this provides means that it is an ideal partner for small to medium OEMs.



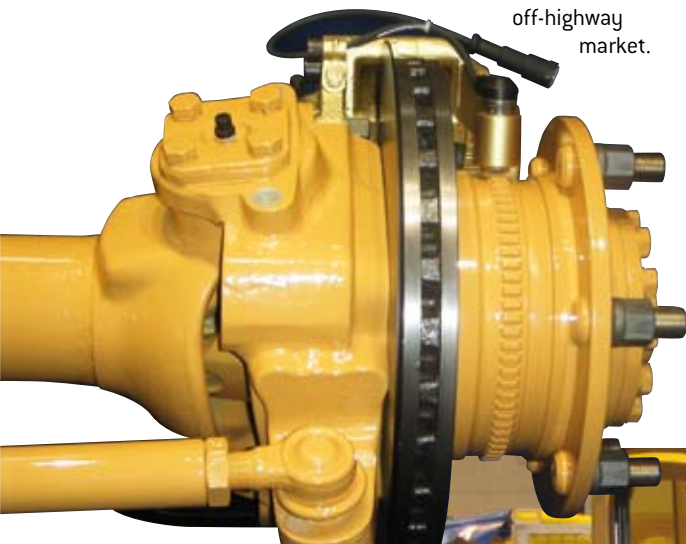
**Complete drive units for site dumpers**

## Innovation in drivetrains

One of EME's most recent drive units, which was designed to the special requirements of a client, is the PR-150 with R-108, which will be used on a multipurpose off-highway vehicle.

The new series comprises a rigid/steering drive axle, which complies with the requirements for size and compactness. Furthermore, through the use of the reducer, which is integrated into the drive axle, the vehicle is able to provide the benefits of greater ground clearance.

The drive axles are then equipped with all necessary security systems, such as an inductive sensor for the ABS



**From municipal cleaning vehicles to ice-maintenance machines, EME provides an ideal axle solution**

system integrated on the brake disc, a 100% mechanical differential lock or, as an alternative, the automatic locking Limited Slip 40%. Other arrangements also provide input to hydrostatic motors, an oscillating system or a ventilated brake disc.

### The challenge

EME can count on a technological know-how spanning a range of technologies and based on many years of experience. For this reason, the company can carry on with its research into new applications and solutions, while simultaneously continuing to improve and optimise its existing production.

EME has also established some strategic branches in countries that have recently been characterised by great economic growth, such as China, and it also has solid agreements with some dealers in the region.



**A complete driveline solution for medium-capacity wheeled excavators**

For all these reasons, the company proposes itself as a valid alternative to the consolidated 'giants', that dominate this sector, and which spur on its continuation in R&D. EME is not content to be just a supplier, but a reliable partner and consultant to all those companies that currently rely on its

expertise – as well as those that decide to call on its services in the future. **IVT**

Guerra Alessandro is MD of EME, and has worked at the company for 15 years



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