



Modena ,

Kind Att.: To whom it may concern

OBJECT: ZEPHIR RAIL VEHICLE'S PRESENTATION

ZEPHIR is the European leader in the rail road shunting Locotractors, offering the **largest range** of this kind of vehicles, and manufacturing the **most performing Locotractor in the world.**

ZEPHIR was founded in 1969, designing and manufacturing heavy duty towing vehicles for industrial applications, from steelworks to intermodal terminals and airports, and **in 2009 is celebrating 40 years** of excellence on the market.

ZEPHIR's close working relationship with its customers, promoted the concept to design and build an alternative to rail shunting locomotives and in **1977, the first rail-road shunting vehicle was built and the LOCOTRACTOR was born!**



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The **LOCOTRACTOR LOK** range has expanded to 12 models, covering equivalent locomotive weights from 10 Tons to 100 Tons and trains weights from 600 Tons to 6000 Tons. All are built to the latest European Standards.

The **LOCOTRACTOR** can be on and off-tracked in most areas, in one quick and easy manoeuvre. Therefore, it can cross tracks to perform cross terminal movements quickly and efficiently.

Extensive trials performed by our valued customers resulted in saving more than 50% of the total costs of the equivalent standard locomotive.

Since 1991 the range of the ZEPHIR rail dedicated vehicles includes also the revolutionary **CRAB** range rail-road vehicles (both **battery electric** or diesel powered), and the shunting locomotives of the **KUBO** range (both **battery electric** or diesel powered). All these vehicles are designed for indoor use, high versatility and extremely cheap running costs.



Zephir vehicles are designed to be personalized with the **wide range of options** as: remote controls, automatic couplers, data logger, remote diagnostic system, ultrasound safety sensors...

ZEPHIR produced **more than 2500 vehicles**, more than 90% still working **worldwide**, in each possible environment and any kind of rail logistic and industrial application.

ZEPHIR **typical customers** are not only the railways and their workshops and terminals, but all the companies involved at any level in railway logistic, as an example: ports, intermodal, steelworks, mines and mineral related industries, rolling stock construction or maintenance workshops, refineries and oil related industries, wood related industries, metallic scrap related industries, rail infrastructure construction companies, chemical industries, train rescue and recovery service...

Thanks to this extensive experience ZEPHIR is specialized in tailored solutions according the **different national requirements and specific standards** (different rail gauges, couplers...).

ZEPHIR designs and produces its products in the 2 workshops situated in **Modena (Italy)**, the famous area well known for its excellence in mechanics. Thanks to the location ZEPHIR have state of the art components supplied by highly specialized suppliers situated in the same area.



Should you have any further questions concerning our vehicles and their applications, please do not hesitate contacting our offices.

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