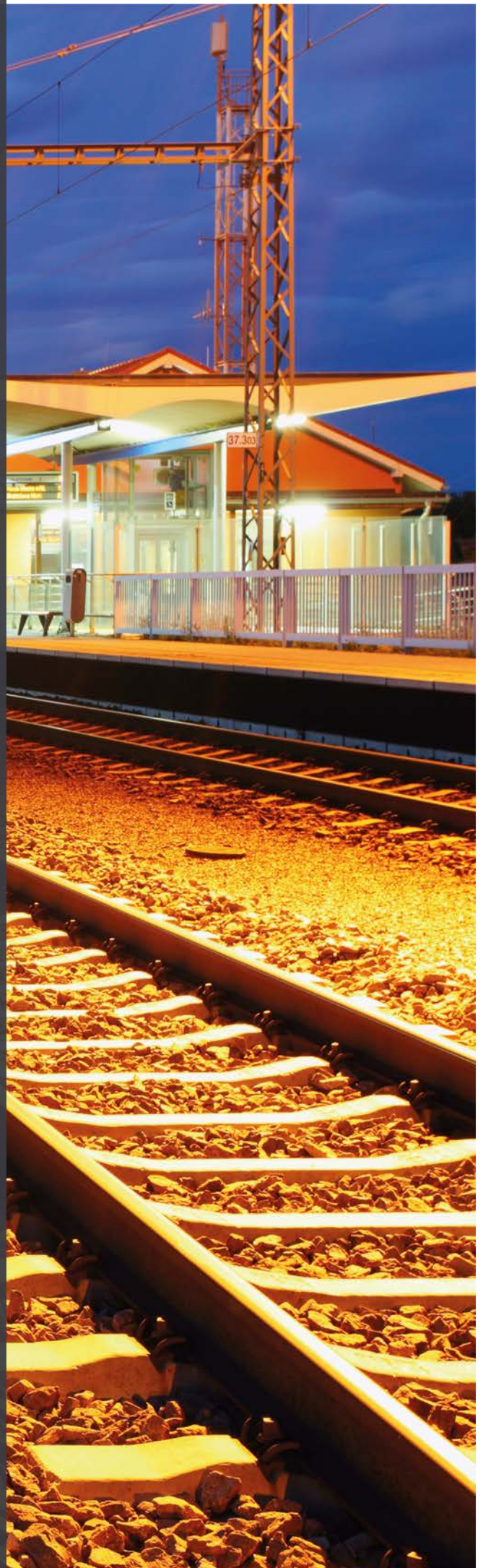




INTRODUCTION TO

RAIL SOLUTIONS





HIGHER PRODUCTIVITY –
SIGNIFICANT SAVINGS

EFFICIENT – FAST – FLEXIBLE – ACCURATE – SAFE

RAIL EXPERTISE

Movax Oy is a Finnish, privately-owned company, established in 1993, which specializes in the design, development and manufacturing of excavator-mounted piling equipment with automatic steering. Movax Oy, which is part of the Terra Patris Group, is located in Hämeenlinna, Finland and is represented worldwide by a network of partners. Movax is the developer of modular side grip technology and has several patents and its trademark, MOVAX®, is registered all over the world.

Movax's comprehensive range of piling equipment includes PILE DRIVERS, PILING HAMMERS, PILING DRILLS and MANIPULATORS – all equipped with the state-of-the-art MOVAX Control System (MCS) - and specifically designed to operate flexibly and reliably on rail roaders - and in the conditions encountered in different rail related works.

MOVAX piling equipment provides the optimum solution for all kind of piling requirements and all types of piles needed in rail applications, from sheet piles to tubular steel piles and cast-in situ (concrete).

MOVAX is, however, not merely piling equipment, but a most efficient, fast, flexible, accurate and safe way-of-working - the MOVAX-way-of-piling - which results in a higher productivity and thus significant time and cost savings.



The MOVAX way-of-piling offers a total solution for rail applications from handling to pitching and driving piles and to manipulate for instance electrical overhead gantries. All MOVAX piling equipment can be changed fast and flexibly to handle multiple and varying tasks. All MOVAX piling equipment are controlled with the same MOVAX Control System for maximum flexibility, accuracy and ease-of-operation.

The MOVAX way-of-piling is the optimum solution for a wide range of rail related works:

- Rail road construction
- Rail road repair
- Construction of underway passages, platforms etc.
- Piled foundations for electrical overhead lines
- Piled foundations for traffic signals etc.
- Installation of gantry masts/utility masts, traffic signal poles etc.
- Construction of noise reduction walls etc.



RAIL SOLUTIONS

THE MOVAX WAY-OF-PILING



SIDE GRIP PILE DRIVERS

...are the optimum solution when a high-degree of precision is required, and for piling in sensitive environments and when limited space or access is available. The same unit can handle, pitch and drive piles and is capable of accomplishing the whole process without the need of manual handling or assisting machinery.



PILING HAMMERS

...are utilised to drive load-bearing piles and to assist in sheet pile driving. MOVAX piling hammers are the optimum solution to complete a pile installation after reaching refusal with a side-grip pile driver or when load testing is required.

PILING DRILLS

... are designed for cast in-situ piling. MOVAX piling drills are especially designed for working in confined spaces and when limited space or headroom is available. MOVAX piling drills can be operated as stand-alone equipment or together with a side-grip pile driver.



MANIPULATORS

... are designed for handling and pitching piles and electric overhead gantries.





RAIL REFERENCES

MOVAX piling solutions are utilized by numerous customers for a wide range of rail applications all over the world.



Noise reduction wall,
Germany



Underway passage, Finland



Soil nailing, Brazil



Traffic signals, Poland



Rail road repair, Germany



Passenger access way,
Finland



Embankment drain, Finland



Installation of electrical
overhead lines, Germany



Installation of electrical
overhead lines, UK



Underpass for storm
drains, India



Rail road tunnel repair,
Poland



Installation of electrical
overhead lines, UK



Movax Oy

Tölkkimäentie 10
FI-13130 Hämeenlinna, Finland

Tel. +358 3 628 070
Fax. +358 3 616 1641

marketing@movax.fi
www.movax.com