
Toepassing Lineaire Machines: Magnetische Zweeftreinen

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MAGLEV

- MAGLEV: MAGnetic LEVitation train
- ‘people mover system’
 - zeer snel (record 501 km/h)
 - energie-zuinig
 - milieuvriendelijk
 - geluidsarm
- gebaseerd op
 - lineaire aandrijving (inductiemotor)
 - elektromagnetisch zweven/positioneren
- Baanaanleg technisch zeer complex t.o.v. trein zelf
- Realisaties:
 - Testbaan in Duitsland
 - Commerciele lijn in Shanghai (stad-luchthaven)
 - Projecten voor Oostkust US, luchthaven Munchen



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Transrapid MAGLEV

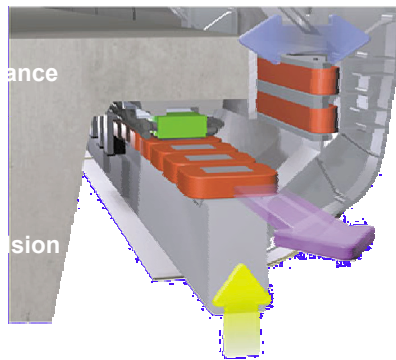


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Elektromagnetisch zweven & positioneren

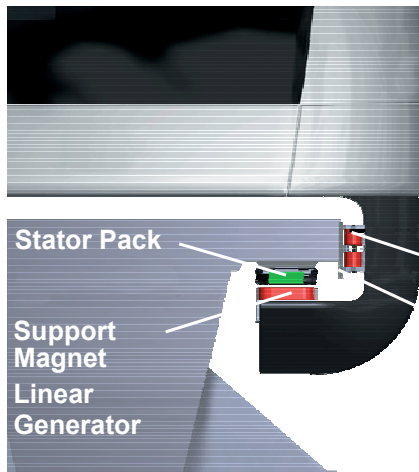


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Zweven & positioneren door aantrekking

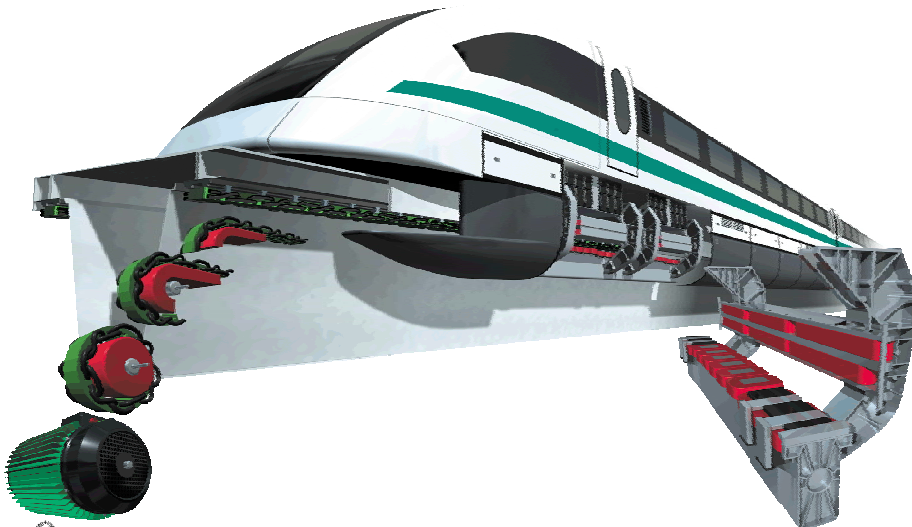


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Lineaire inductiemotor

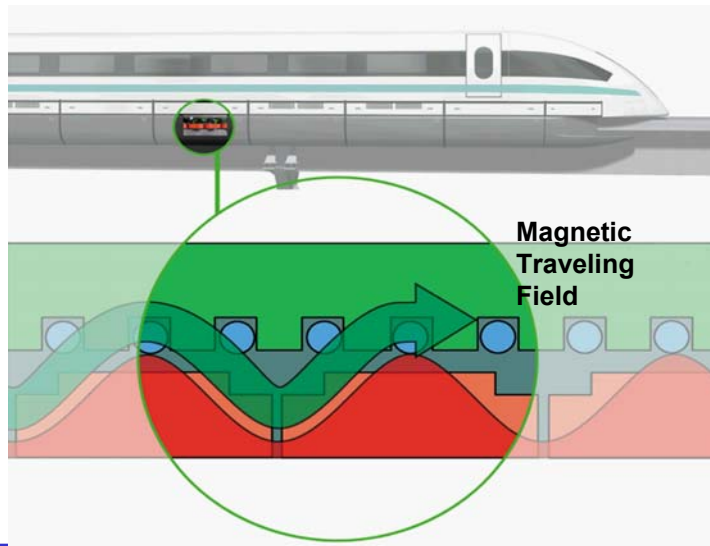


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Inductieprincipe



Lange stator in verschillende secties

