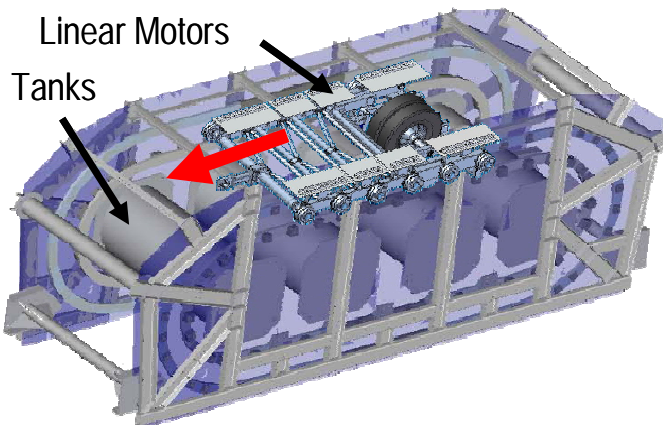


<b>Id: MLS-EMPA-ETH</b>	<b>MLS10</b>	Dübendorf/ Zürich Switzerland
Institution: Swiss Federal Laboratories EMPA and Institute of Technology ETH		

**Type: Mobile Linear Test Track**

Construction (commissioned): 2007



**Dimensions**

Pavement length	4.2 m
Useful testing length (at constant speed)	4.2 m

**Loading**

Range of Load <sup>(*)</sup>	80-130 kN
Transverse distribution	± 400 mm
Loading direction	⇒

<sup>(\*)</sup> Wheels loads (half axle) are converted to the corresponding axle loads.

**Axle configuration**

	or	
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**Speed**

Vehicle Speed (max.)	22 km/h
Test frequency (max.) (passes/hour/section)	6000
Practical output (loadings/month/section)	1 200 000

**Sections**

No. of Sections	1
Thickness	not appl.
Width	not appl.

**Measured Variables**

	Surface	Asphalt	Unbound Layers	Subgrade
Temperature				
Moisture content				
Suction				
Deflection (transient)				
Vertical Stress				
Horizontal Stress				
Vertical Strain				
Horizontal Strain				

**Environmental control**

Placement	Outdoors
Air temperature	©
Pavement temperature	©
Air moisture	-
Freeze-thaw cycles	-
Water table	®
Rainfall	©

- © total control
- @ partial control
- @\* indirect control (air Temp.)
- ® registered

**Contact people:**

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