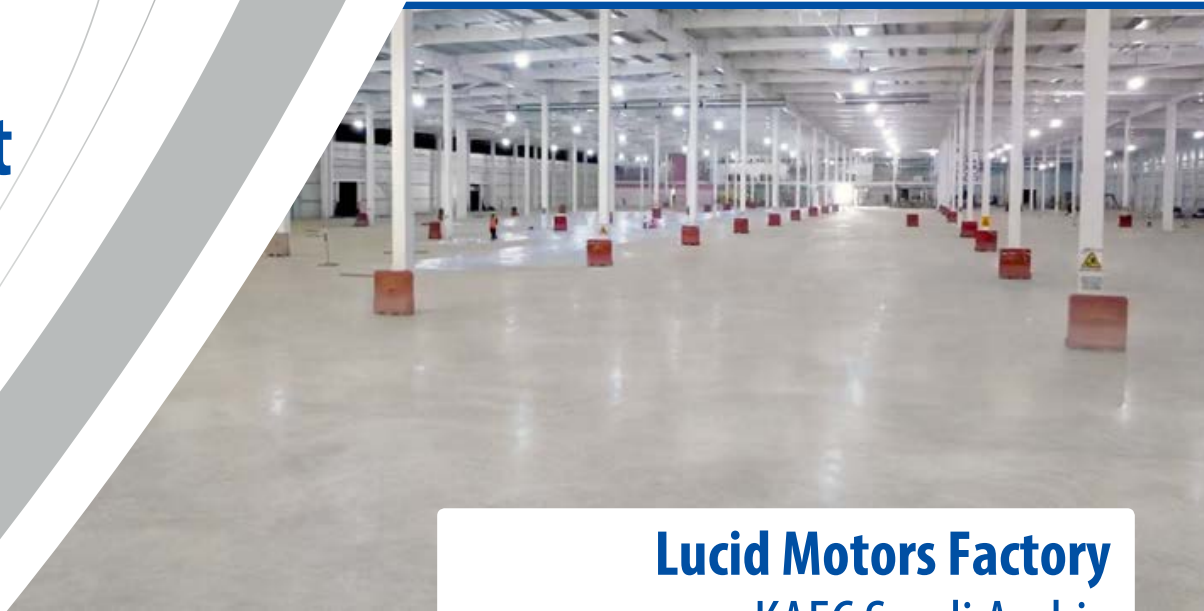


Project Spotlight



Lucid Motors Factory KAEC Saudi Arabia

SFRC ground bearing Freeplan® 'jointless' floor slab

Twintec Saudi LLC has completed its work on the new Lucid Motors Factory Project located in King Abdullah Economic City (KAEC).

Lucid Motors is an American electric vehicle manufacturer that aims to develop an all-electric, high-performance luxury vehicle. This new factory, located in King Abdullah Economic City (KAEC), is part of a prestigious area development with an area of 300,000 square meters. The facility is expected to produce 155,000 electric vehicles a year that will initially serve the local market as part of the Saudi Green Initiative, which works on increasing the Kingdom's reliance on clean energy, offsetting emissions, and protecting the environment, in line with Vision 2030.

Twintec Saudi LLC has executed the flooring works covering an area of 25,000 square meters using Twintec Freeplan Steel Fibre Reinforced Concrete (SFRC) jointless flooring solution. The use of SFRC can significantly improve the strength properties and characteristics of concrete flooring, resulting in a more durable and reliable floor that will be beneficial to the factory operations.

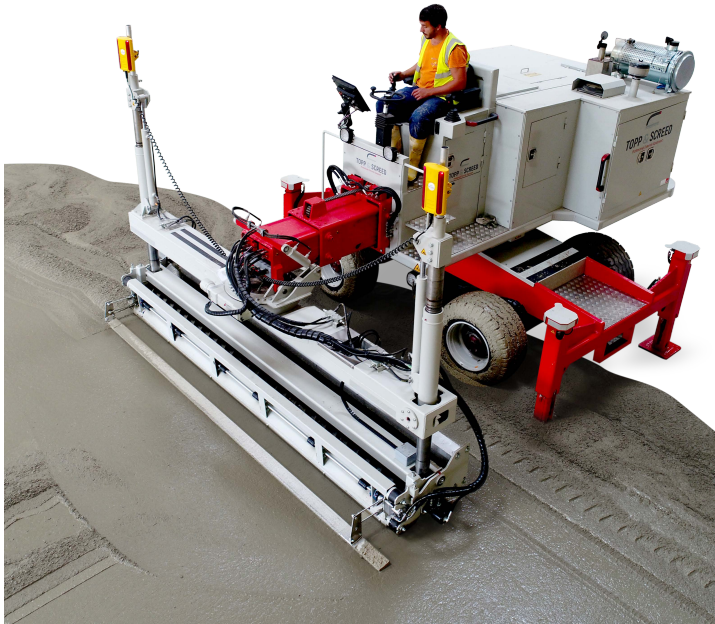
Twintec Freeplan®

The Freeplan® floor slab reinforced with a 25 kg/m³ dosage of steel fibers will provide the end user with a reliable slab with higher abrasion resistance of $\leq 5 \text{ cm}^3/50 \text{ cm}^2$ along with anti-static electrical resistance of 10^6 to 10^8 ohm while the coefficient of friction between the wheels of the automated guided vehicle (AGV) and the floor surface is from 0.4 up to 0.6.

Project Data

End User:	Lucid Motors	Main Contractor:	Al Bawani
Consultant:	Egis, Ghafari	Tolerance:	FM2 TR34 3rd Ed.
Pouring Days:	15	Slab Depth:	200mm
Area:	25,000m ²	Fibre Dosage:	25kg/m ³
UDL:	50kN/m ²	MHE Load:	165kN/Axle

Project Spotlight



Total Offer Concept

Design:

Value engineered design solutions adapted to each users' specific needs.

Twintec slabs are all designed in-house by the specialist engineering team. Incorporating the latest innovations in concrete floor slab design.

Build:

Site co-ordination, supply of materials, fast track construction and superior finishing worldwide.

Highly skilled and experienced staff. Innovative materials supported by rigorous testing, in-house developed and well maintained equipment.

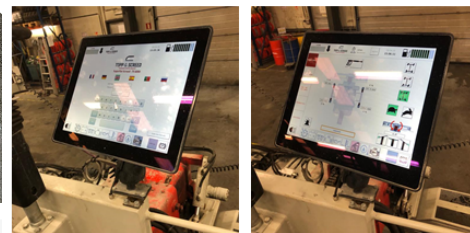
Guarantee:

The Twintec assurance guarantee.

Twintec's guarantee extends across the business incorporating quality control, professional staff, customer service and aftercare in addition to insurances.

State of the Art Laser Screed Machine

Twintec uses state of the art laser screed machines by Topp & Scream. With computer generated multi-levelling functions, these machines work with the highest accuracy in terms of flatness.



Contact the Twintec Saudi LLC business team for further information:

Tel: +966 (0) 13 864 5199 Email: mail@twintecsaudi.com

Address: LEEN Tower, 7th Floor, Office 701 & 702, 6789 King Saud Road, Al Safa District, Dammam
P.O. Box 34222 Dammam 3388, Kingdom of Saudi Arabia