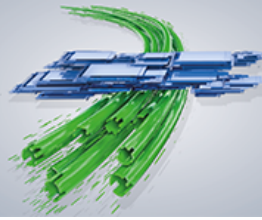




InnoTrans 2018
18-21 SEPTEMBER
BERLIN



**INNOVATIONS
AND TRENDS**



Shunting locomotive with electric power transmission and flexible energy supply



Shunting locomotive DE75 Bo'Bo' Hybrid

For the first time, GMEINDER LOKOMOTIVEN will be exhibiting with the model DE75 Bo'Bo' a 4-axle shunting locomotive with diesel-electric drive for the heavy shunting service. The electric power transmission, using four independently controlled traction motors, realizes an optimum friction coefficient utilization, and at the same time the use of different energy sources. Due to the symmetric composition of the locomotive, two independent energy sources are installed, e.g. two Diesel Gensets (Dual Engine), or one Diesel Genset and a Lithium-Ion Traction Battery (Hybrid). Even the energy supply via Third Rail (DC 750 V) or Catenary is possible. Consequently, the symmetric composition of the locomotive is continued with the Power Electronics. Two independent subsystems are the guarantee for highest availability.

GMEINDER LOKOMOTIVEN GmbH

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Outdoor Display 1/415

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Subject to further change