



HELMS

Hybrid Electro-Mechanical Shunter

20%
fuel reduction



hybrid control
for fuel-efficient and
emission-free
service

two
prototypes



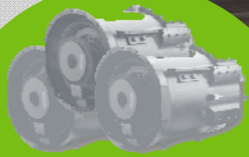
power converter
cubicle with control
unit and APU



SCiB™ battery
system with
92kWh (Li-Ion)

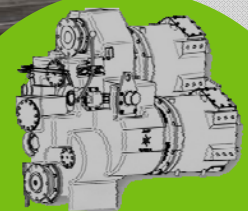
emission-free
operations

optimized
power transmission



traction motors
(2x330kW)
generator
(1x840kW)

innovative
hybrid concept
within 1,000kW power range



power transmission
with innovative
planetary gear

TOSHIBA



DB Cargo

DB Fahrzeuginstandhaltung | DB Systemtechnik



Deutsche Bahn
CityCube Hall B
DB Fahrzeuginstandhaltung
Outdoor Display O/410a
Henschel
Hall 20, Stand 217
Toshiba
Hall 3.2, Stand 404