



MINE CHANGER

minechanger.com

HUBER
AUTOMOTIVE

OPEN PIT OR UNDERGROUND

AN IDEAL PARTNER
FOR EVERY
CONDITION



THE ELECTRIFIED VERSION OF THE TOYOTA LAND CRUISER J7 HAS BEEN DEVELOPED FOR OPERATIONS UNDER HARSH CONDITIONS.

Ideal for usage in rough terrain due to the selectable all-wheel-drive – in open pit and underground mines.

The powertrain system consists of series production components from established Automotive Tier 1 suppliers which have been perfectly integrated to create a reliable and high performing system.

The heart of the system is the innovative control unit from Huber, which is based on a 32-bit power architecture and combines all vehicle functions in one central unit to ensure highest quality and safety level at top performance. The Electric Cruiser is in operation worldwide, e.g. in Europe, Canada and Africa – and has been benchmarked several times with outstanding results.



*“The vehicle
is perfectly
designed for
underground
conditions.”*

Uwe Blättermann K+S AG



INNOVATION FOR HIGHEST EFFICIENCY AND ZERO EMISSIONS



SUSTAINABLE MINING

The Electric Cruiser helps you to achieve the next milestone for sustainable mining operations.

Our system has been developed and tested according to latest standards for long-lasting operations.

Therefore, we ensure highest lifetime, availability and reliability at low operations costs.

A LEGEND REBORN ELECTRIC ⚡

High Voltage Battery

Powertrain System



Thermal Management

100% PERFORMANCE

IDEAL FOR SHIFT OPERATIONS

- Driving range max. 120 km
- Drive power: 90 kW / 122 HP
- Fast charging period: 80% in 1 h
- Highest gradeability: up to 45%
- All-Wheel-Drive

COST SAVINGS

- Low maintenance effort
- Reducing ventilation and cooling effort in underground areas
- Low operation costs due to usage of electricity instead of fuel
- Reduced brake wear due to electrical recuperation

0% EMISSIONS

WORKPLACE SAFETY AND ENVIRONMENTAL PROTECTION

- Noise Elimination
- Reduction of CO₂ and NOX emissions
- Less particles

For healthier and safer working conditions in mining operation grounds.

OPTIONAL EQUIPMENT

- Mining Front Bumper
- Underride Guard
- Sound Generator
- Mining specific equipment

VEHICLE CONTROLS

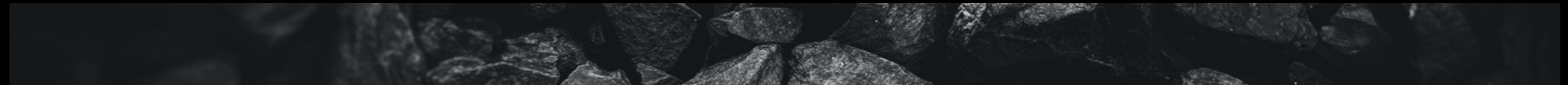
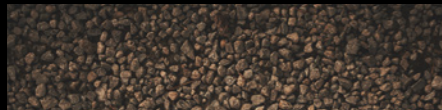
- Central Control Topology
- Energy- and Powermanagement
- Safety Management
- Charging Management
- Vehicle Diagnostics
- Powerful 32-Bit Power HW architecture with Tri-Core processor in accordance with functional safety standards

THERMAL MANAGEMENT

- Ambient Temperature: -30 to +50° C
- Ready for most challenging environmental conditions
- Liquid Cooled Battery

CHARGING INFRASTRUCTURE

- Standardized EN 62169 TYPE 2 Mennekes Charging Interface with capacity up to 22 kW
- Intelligent Charging Solutions
- Cost efficient Transformer Systems for operations in mining IT-grids with voltage levels up to 1,000 VAC
- We help you to choose the ideal charging solution – contact us for further details.



HUBER
AUTOMOTIVE

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