Combining the features of the TATRA PHOENIX Euro 6, 6x6 vehicle with an engageable front axle drive and multipurpose telescopic excavator UDS 214 superstructure, supplied by the company Cestné a stavebné mechanizmy Tisovec, a.s., resulted in a vehicle with the best projection for performing earthmoving works of different type at the contact of structures with the environment, and using the appropriate tools also for excavation and other earthworks such as digging foundation, trenches, channels, building and maintenance of utilities, treatment of riverbeds etc.

TATRA PHOENIX Euro 6 combines the unique TATRA chassis with a spacious and comfortable cab, modern PACCAR MX engines and ZF transmissions. Thanks to this, TATRA PHOENIX trucks can take you further - to the locations inaccessible to other trucks, as well as to higher profits due to efficient operation.

The UDS body is designed so that the operator can operate the body and the entire vehicle as well. Thanks to this the working time is significantly reduced. From his worksite the operator can control the machine himself, as well as vehicle braces, driving and moving the vehicle a short distance during excavation works. The telescopic arm with overhang up to 13.1 meters using a 3-meter extension can be, in addition to a standard 0.63 m³ bucket, equipped with additional attachments - ripper bucket, profile or drainage bucket, blade, compaction roller, ripper knife, asphalt cutter, boulder tongs or hydraulic forks.

VEHICLE CONTROL FROM THE OPERATOR’S SEAT
EXCELLENT TERRAIN PERMEABILITY
FORING UP TO 800 MM
WIDE ACCESSORIES
EFFICIENT OPERATION
**MULTIPURPOSE TELESCOPIC EXCAVATOR 6x6**

**ENGINE**
- **Type**: PACCAR MX-11 Euro 6
- **No. of cylinders**: 6
- **Swept volume**: 10,800 cm³
- **Net power**: 271 kW/1,650 rpm
- **Net torque**: 1,600 Nm/1,000-1,650 rpm
- **SCR, EGR, DPF exhaust gas treatment system.**
- **Optional:**
  - MX-11 engine, power output 291, 320 kW/1,700 rpm
  - Decompression MX Engine Brake as standard

**TRANSMISSION**
- **Manual / Automated, ZF type 16S Ecosplit**
- **Number of speeds**:
  - forward: 16
  - reverse: 2
- **Hydraulically operated clutch, diam. 1x430 mm.**

**TRANSFER CASE**
- **Two-speed TATRA 2.30 TR shiftable at standstill (ratios of 0.94 / 1.44)**
- **Optional:** one-speed TATRA 1.30 TR, ratios of 1.12/1.28/1.46

**FRONT AXLE**
- Steered, driven with swinging half-axles, switchable, drive, axle differential. Air-bellows suspension, telescopic shock absorbers (optional stabilizer).

**REAR AXLES**
- Driven, with swinging half-axles, axle differential locks, inter-axle differential lock. Leaf spring suspension.

**STEERING**
- Left-hand sided, monoblock.

**BRAKES**
- Four independent brake systems: service, emergency, parking, relief.

**TYRES, DISCS**
- **Tyres**:
  - Front: 315/80 R22.5
  - Rear: 315/80 R22.5
- **Discs**:
  - Front: 9,00×22.5
  - Rear: 9,00×22.5

**FUEL TANK**
- Steel, 220 liters + 45-liter AdBlue

**WEIGHTS**
- **Curb weight (without superstructure)**: 9,760 kg
- **Payload**: 16,240 kg
- **Total weight**: 26,000 kg
- **Maximum front axle load**:
  - optional: 8,000 kg
  - optional: 9,000 kg
- **Maximum rear axle load**:
  - optional: 2×9,000 kg
  - optional: 2×11,500 kg

**ELECTRIC EQUIPMENT**
- **Rated voltage**: 24 V
- **Batteries**:
  - 2×12V 180 Ah
  - 24 V / 80 A
- **Alternator**: 24 V / 80 A
- **Optional**: FMS connector

**FEATURES**
- **Climbing ability at the total weight of 30,000 kg**: 100 %
- **Max. speed (with speed limiter)**: 85 km/h
- **Turning radius (contour)**: 17.5±1.0 m

**UDS 214 SUPERSTRUCTURE**
- **Dimensions**:
  - Machine length: 8,875 mm
  - Machine width: 2,500 mm
- **Excavation performance**: 115 m³/h
- **Resulting digging force**: 58 kN

**POWERTRAIN**
- **Type/Power**:
  - John Deere 4045 HF: 285 / 94 kW at 2,200 rpm
  - Cummins 6BT5,9 engine or Deutz BF6M 1013E engine
- **Type and design**: diesel, four stroke with direct fuel injection, inline, vertical liquid, forced circulation and thermoregulation
- **Cooling**: liquid, forced circulation
- **Lubrication**: pressure
- **Number of cylinders/swept volume**: 4 / 4,500 cm³
- **Max torque**: 540 Nm, 1,400 rpm
- **Optional**: Cummins 6BT5,9 engine or Deutz BF6M 1013E engine

**HYDRAULICS**
- **Type**: BOSH-REXROTH
- **Work equipment**:
  - The telescopic boom with a stroke range of +30° to -60°, 0° to -90° from the horizontal plane,
  - machine tilting range 145°, bidirectional machine rotation within a range of 360°.