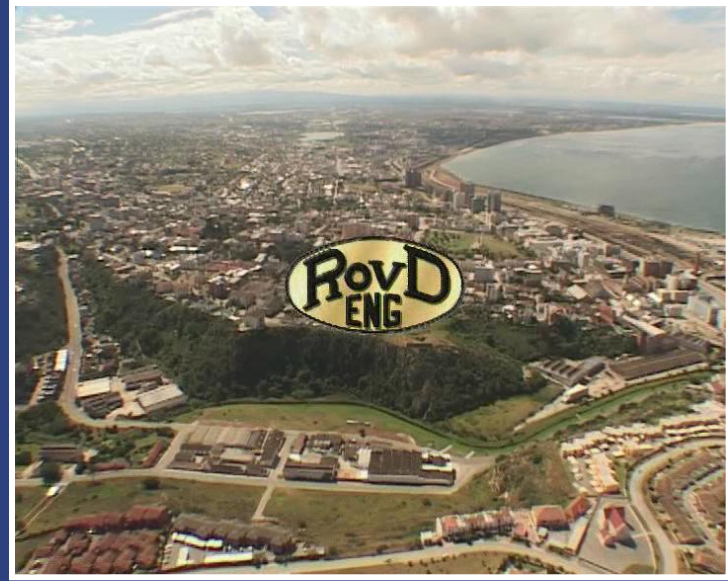




Modern Mechanized Salt Harvesting

About ROV Durrant Engineering



Equipment for salt industry

Sea water pumps



Iodide mixers



Salt wash plants



Salt harvesters



Starting from first harvesters



Currently manufactured machines



250 tph
Durrant 566-70
salt harvester



350 tph
Durrant 590-95
salt harvester



450 tph
Durrant 7160-120
salt harvester

Major components of interest in a salt harvester

- Cutter drum (pick roll)
- Chassis



- Elevator



- Cab



Control system



Cutter drum

The pick roll

Pick holders with
picks and scroll
plates installed



Cutter tips

Mounting block

Chisel tip

General
purpose tip for
high-impact

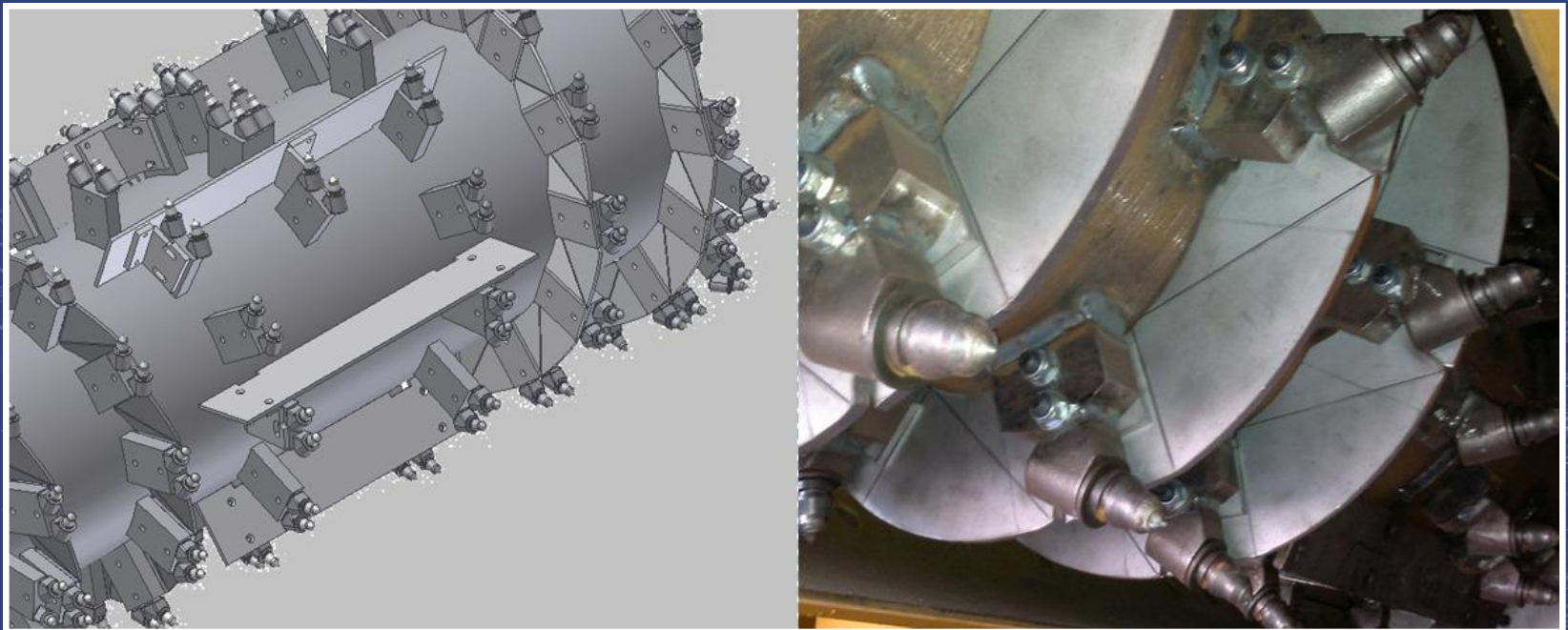
Medium-impact
tip

High
penetration
tip



Scroll plates

Scroll plates move the salt crystals to the elevator



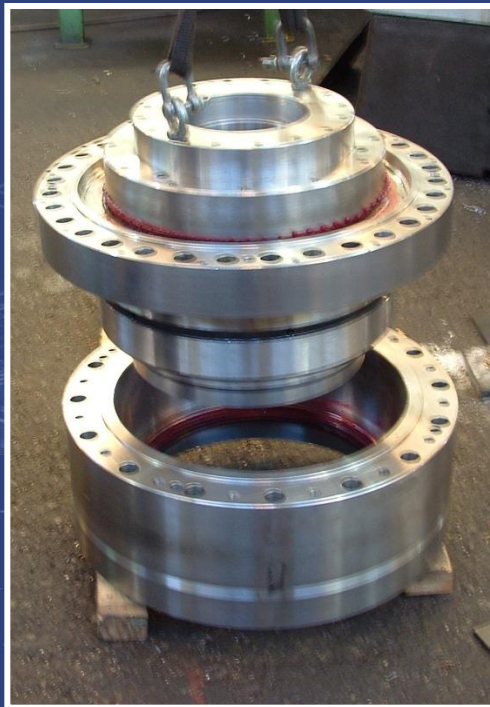
Hydraulic motor for pick roll

Internal hydraulic motor



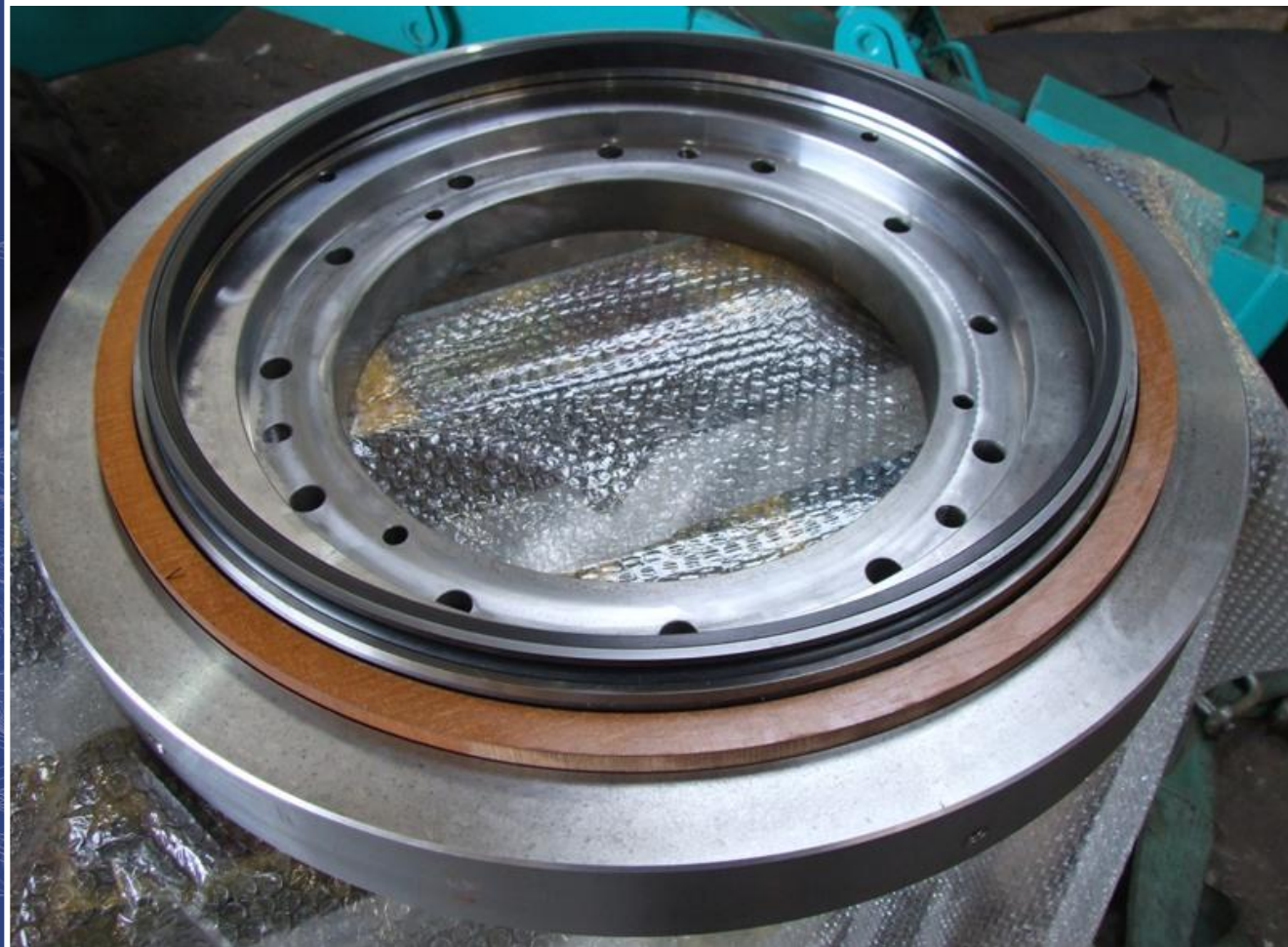
External hydraulic motor

Self-aligning spherical roller bearings for the pick roll being assembled



Used on the 450 tph Durrant 7160-120 salt harvester

'Du-cone' Seal



Elevator section

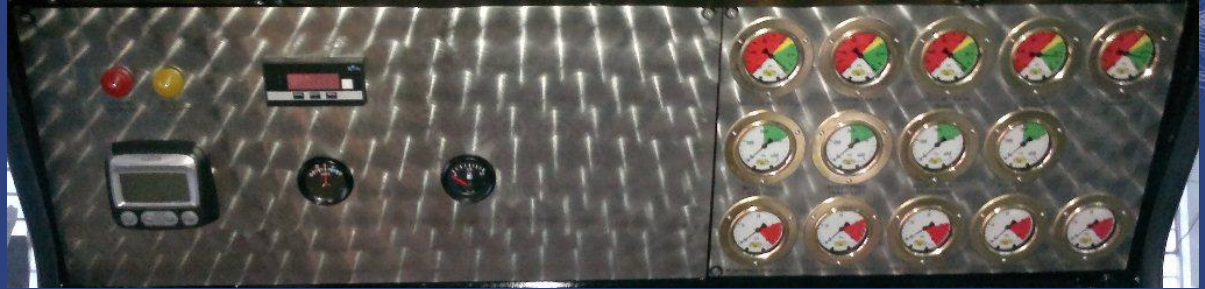


Chassis is being prepared



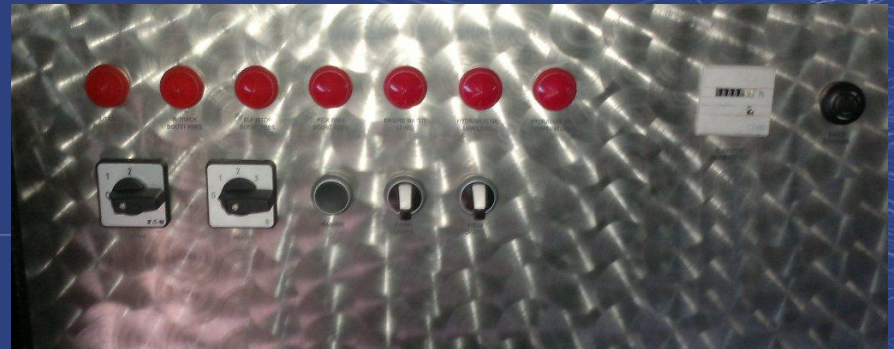
Cab interior

Instruments & gauge panel



Operator dashboard

Alarm and field lights dashboard



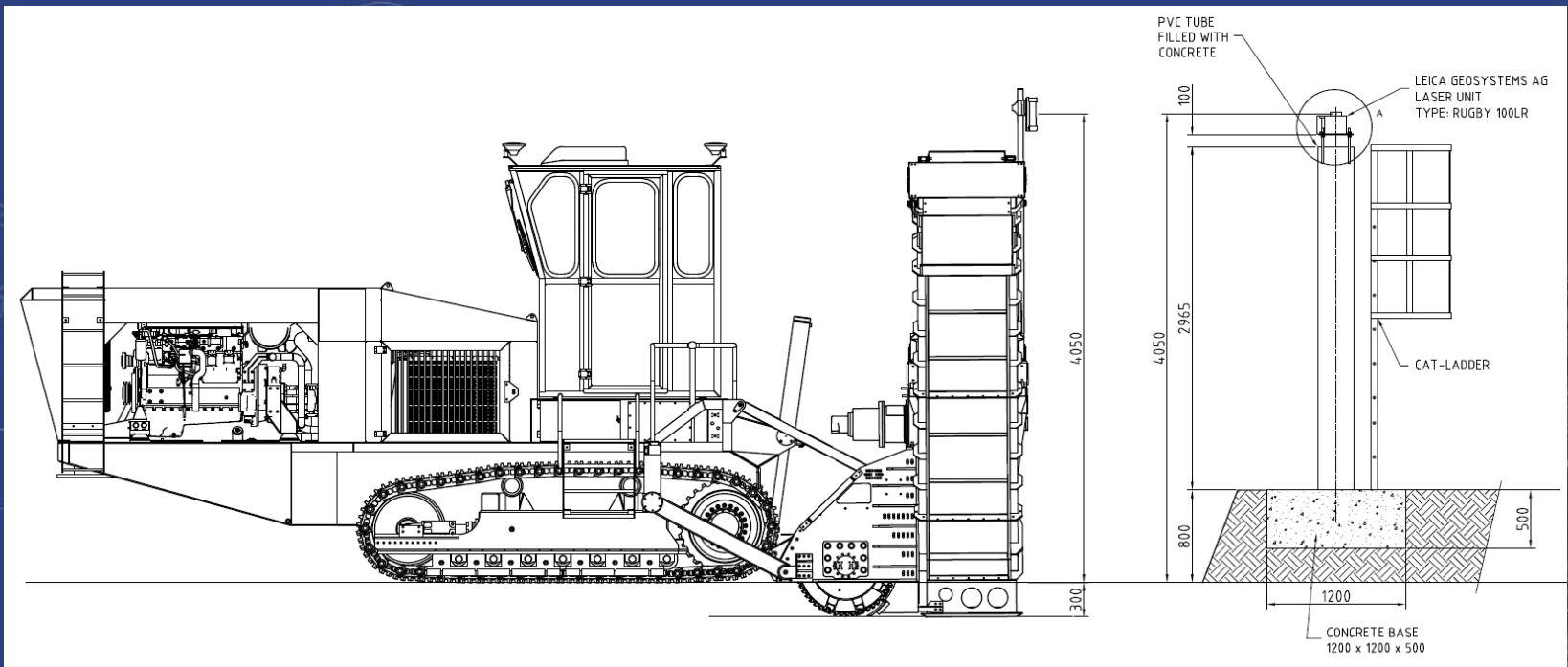
Control system

Water tight electrical panel with PLC



Laser system

Control panel inside harvester
that works in conjunction with
laser tower



Signal transmitted from laser tower is used to
maintain cutting depth on the salt harvester

Trailers used for hauling salt

Bottom dump trailer



Conventional rear tipper



Tractor & trailer



Harvester waiting for trailers before it
can continue salt harvesting operation



Harvesting methods

- Bulldozer
- Excavator
- Purpose built salt harvester



Conclusion



ROV Durrant Engineering will provide
the best harvesting solution for your
unique salt pan conditions

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