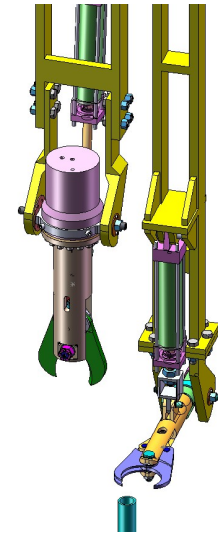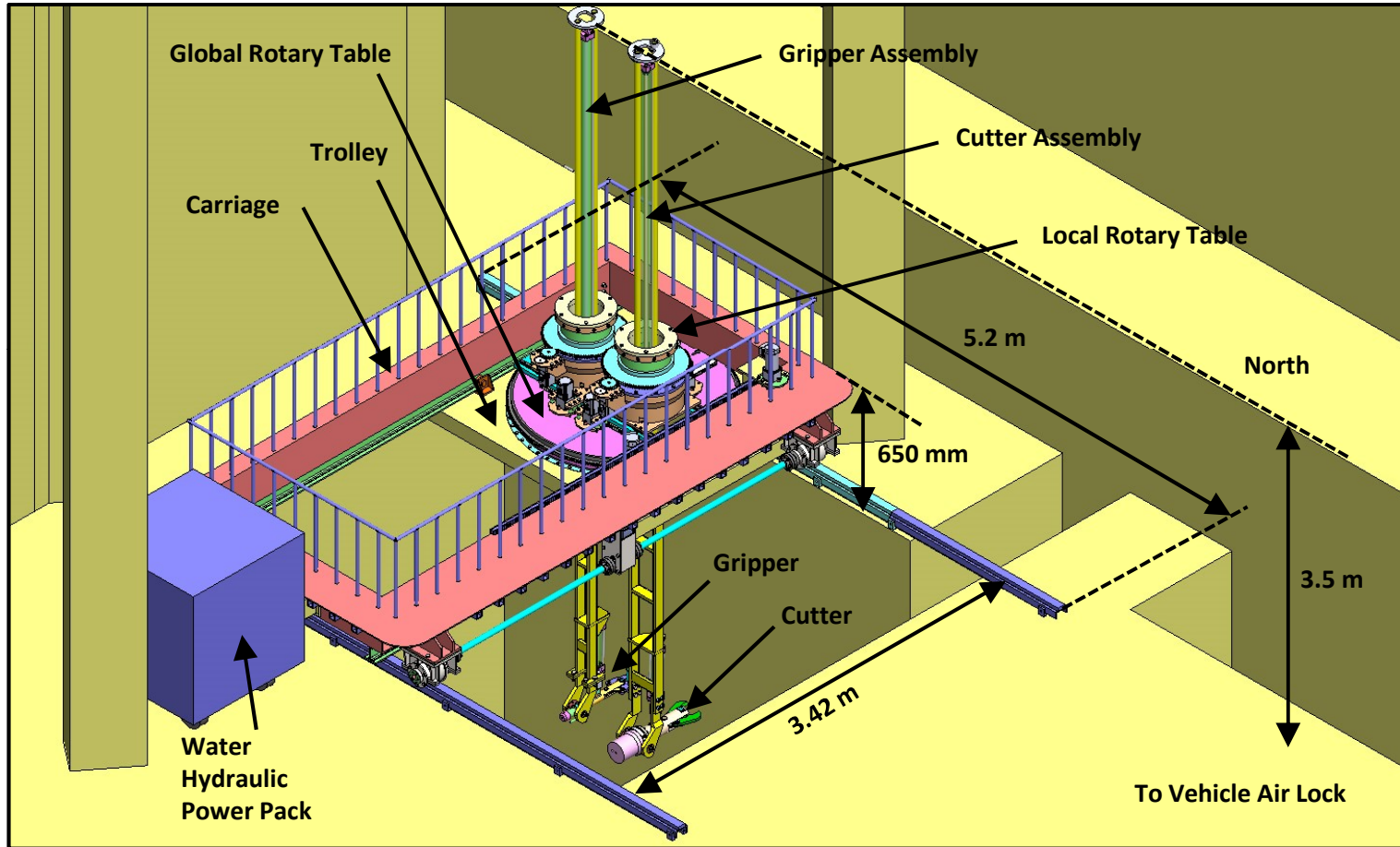# DESIGN OF ROD CUTTING GADGET (RCG) FOR CIRUS

OBJECTIVE : Cutting of damaged fuel rods and insert into the bucket inside the Cut Rod Storage Bay of RCB of CIRUS as a decommissioning activity

Global Rotary Table

Gripper Assembly

Trolley

Cutter Assembly

Carriage

Local Rotary Table

5.2 m

North

650 mm

Gripper

Cutter

3.5 m

Water Hydraulic Power Pack

3.42 m
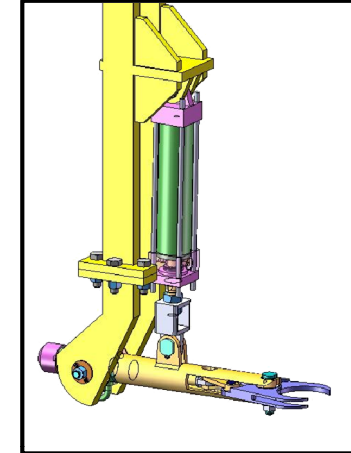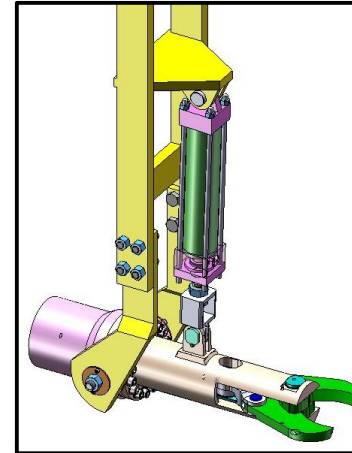
To Vehicle Air Lock

DESIGN OF ROD CUTTING GADGET (RCG) FOR CIRUS

DESIGN FEATURE:

- Remotely operated from control room
- Water hydraulic power pack for cutting & gripping operation
- Any orientation of fuel rod can be handled
- 100 % coverage of CRSB
- Compact design & enhanced accessibility near obstructions
- No civil work required for rail installation
- Minimum assembly time in CRSB

Water hydraulic cutter & gripper

Gantry-trolley system