

# Cathode production, QA and Installation

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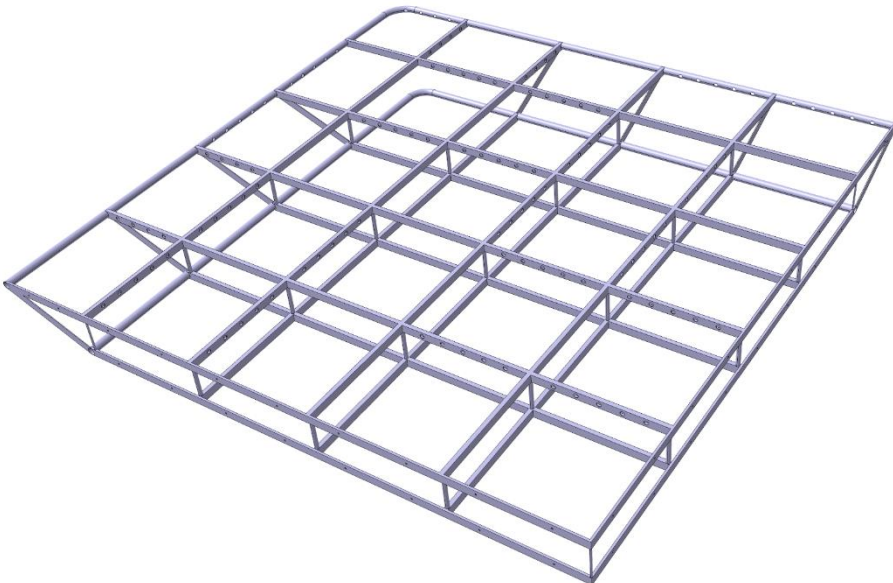
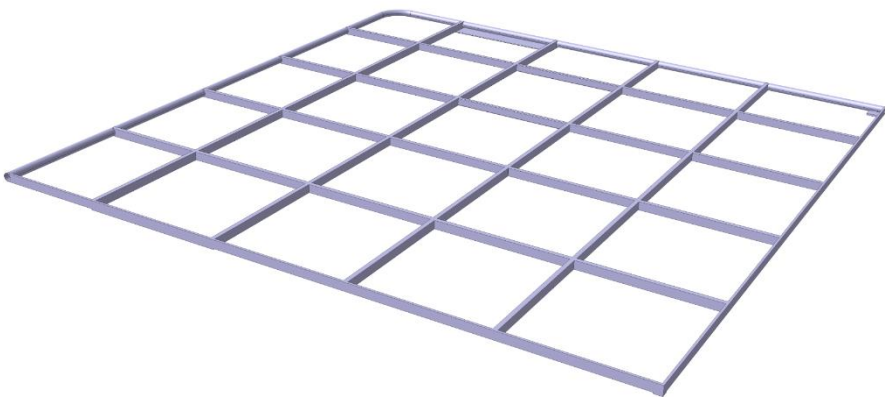
**ETH** zürich

25.04.2017

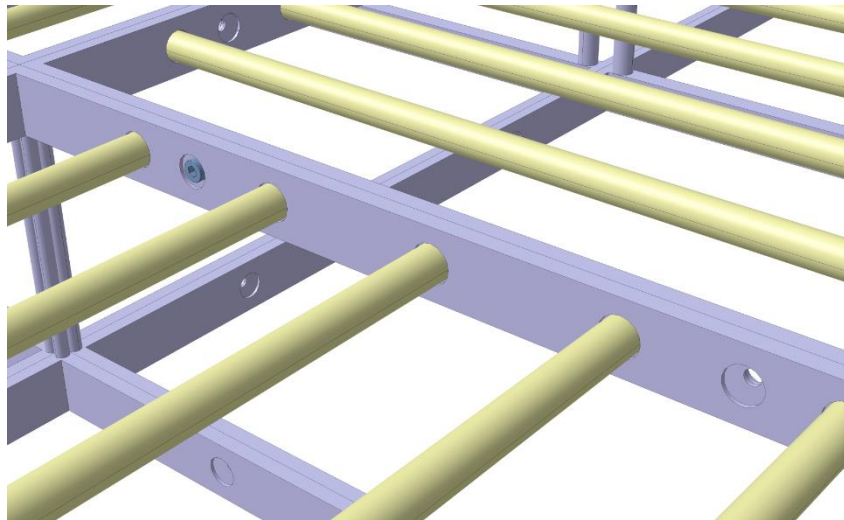
- Production
- QA
- Installation

- Holes in square profiles will be laser cut and rounded
  - Holes in external round pipes will be machined
  - Modules will be weld at PSI (Paul Schärerer Institut)
    - ) ~2 month for weld Cathode and Ground grid
    - ) assembly test at PSI 1 week
    - ) Polishing at PSI
  - Transport Box and shipment to CERN
- Production will start on June
- From mid Sept 2017 to mid-Nov 2017

- Welding will be followed by ETH at PSI regularly
- Cathode and Ground Grid will be assembled at PSI together with ETH
- After test assembly Cathode and Ground Grid will be completed and polished

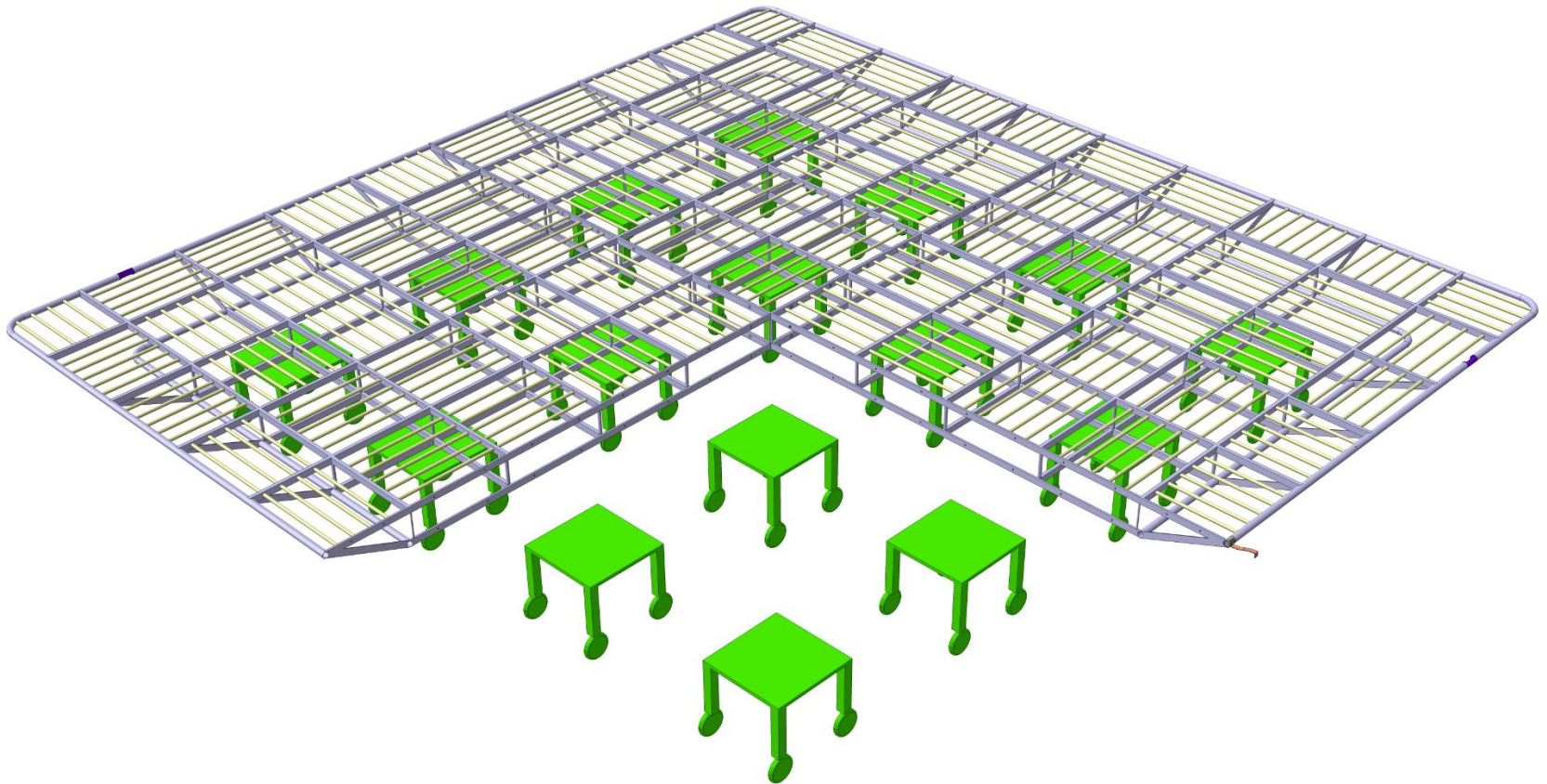


- Installation is with screws and nuts (M8)



- 4 modules needs to be placed on Tables with wheels at least 50 cm height
- Acces connection for the first 3 modules it's simpler
- For the last module is needed to insert and tight the screws from below

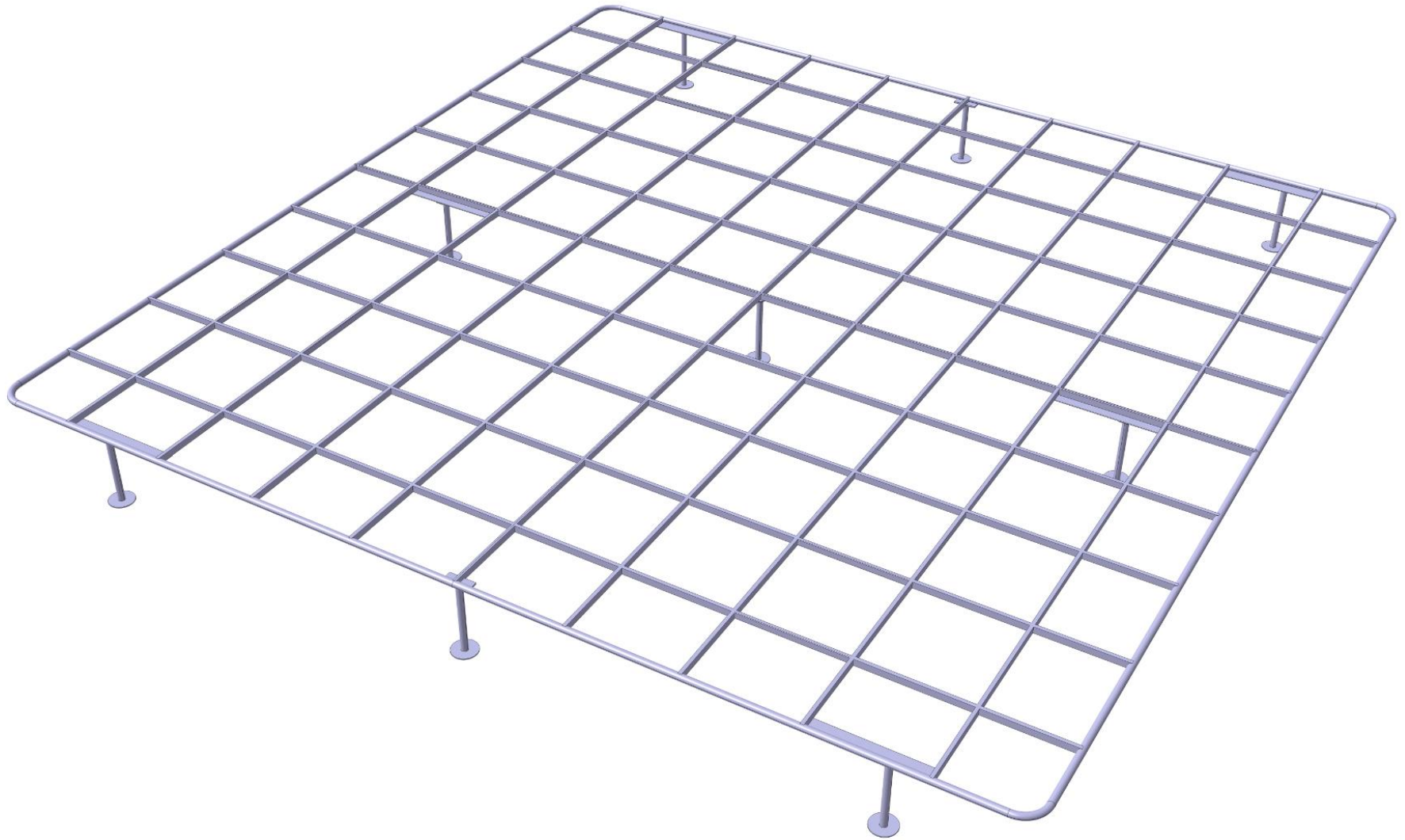
- 4 modules needs to be placed on Tables wheels at least 50 cm height



- Access for the connection for the first 3 modules is simple
- For the last module is needed to insert and tight the screws from below



- Ground Grid assembly will be done using the final Pillars



Thank you