

# Tomasz Jezynski

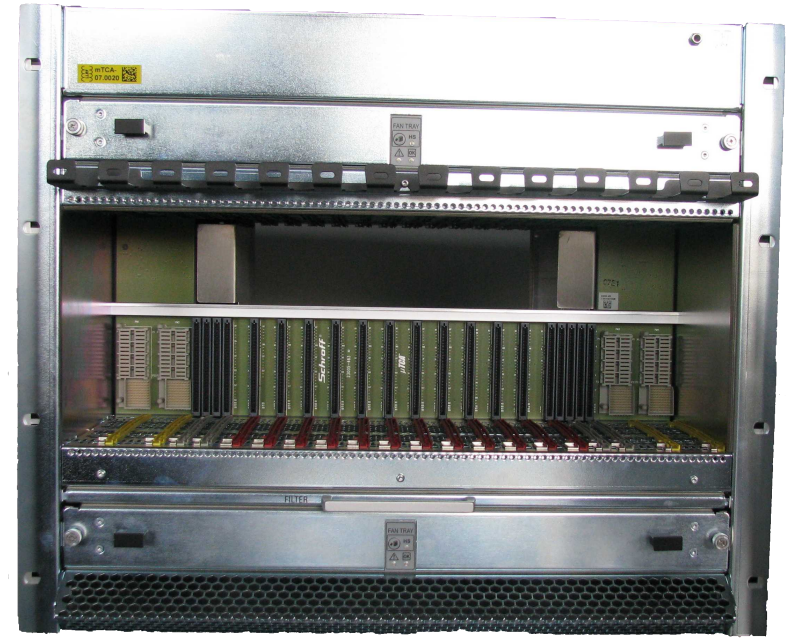
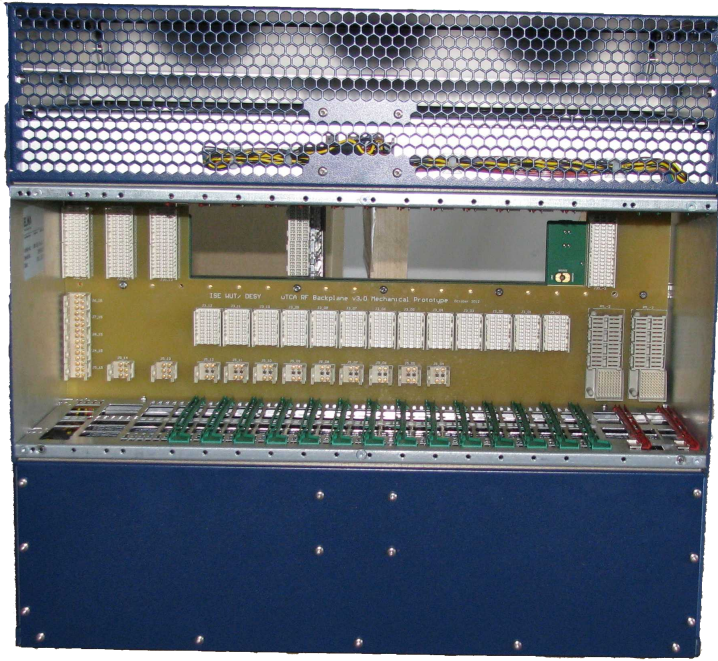
## DESY

MTCA Crates: Elma/Schroff  
RF Backplane compatibility  
19 February 2013



HELMHOLTZ  
ASSOCIATION

# 9U ELMA/Schroff

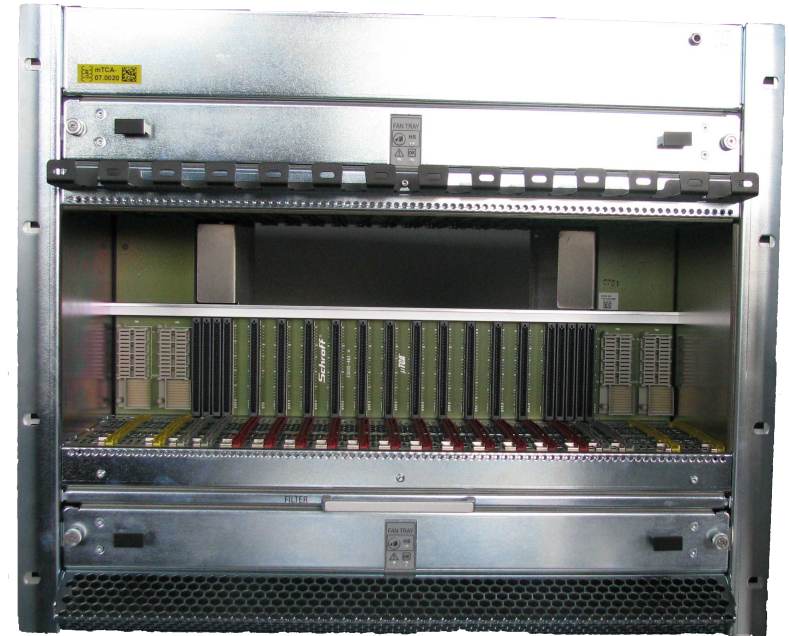
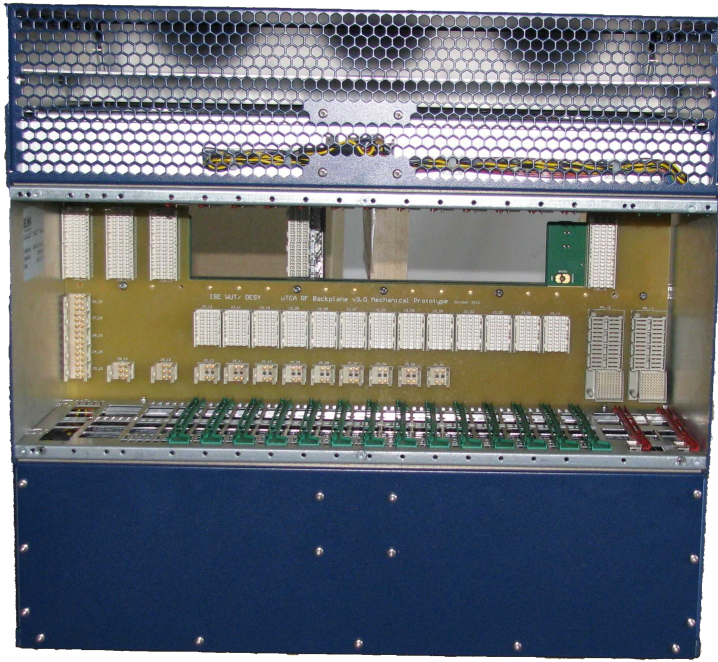


## Mandatory requirement:

RF backplane shall fit into Schroff and ELMA 9U 12-slot system – no modification, no variant assembly ...

ELMA – *implemented*  
Schroff – *in progress*

# 9U ELMA/Schroff



**Mandatory requirement:**

RF backplane shall fit into Schroff and ELMA 9U 12-slot system – no modification, no variant assembly ...

RF Backplane – the next presentation from T.Lesniak

ELMA – *implemented*

Schroff – *in progress*

# 2U Schroff

## A new prototype:

improved colling

4 MTCA.4 compliant slots

1 MTCA.1 .2 .3 compliant slot

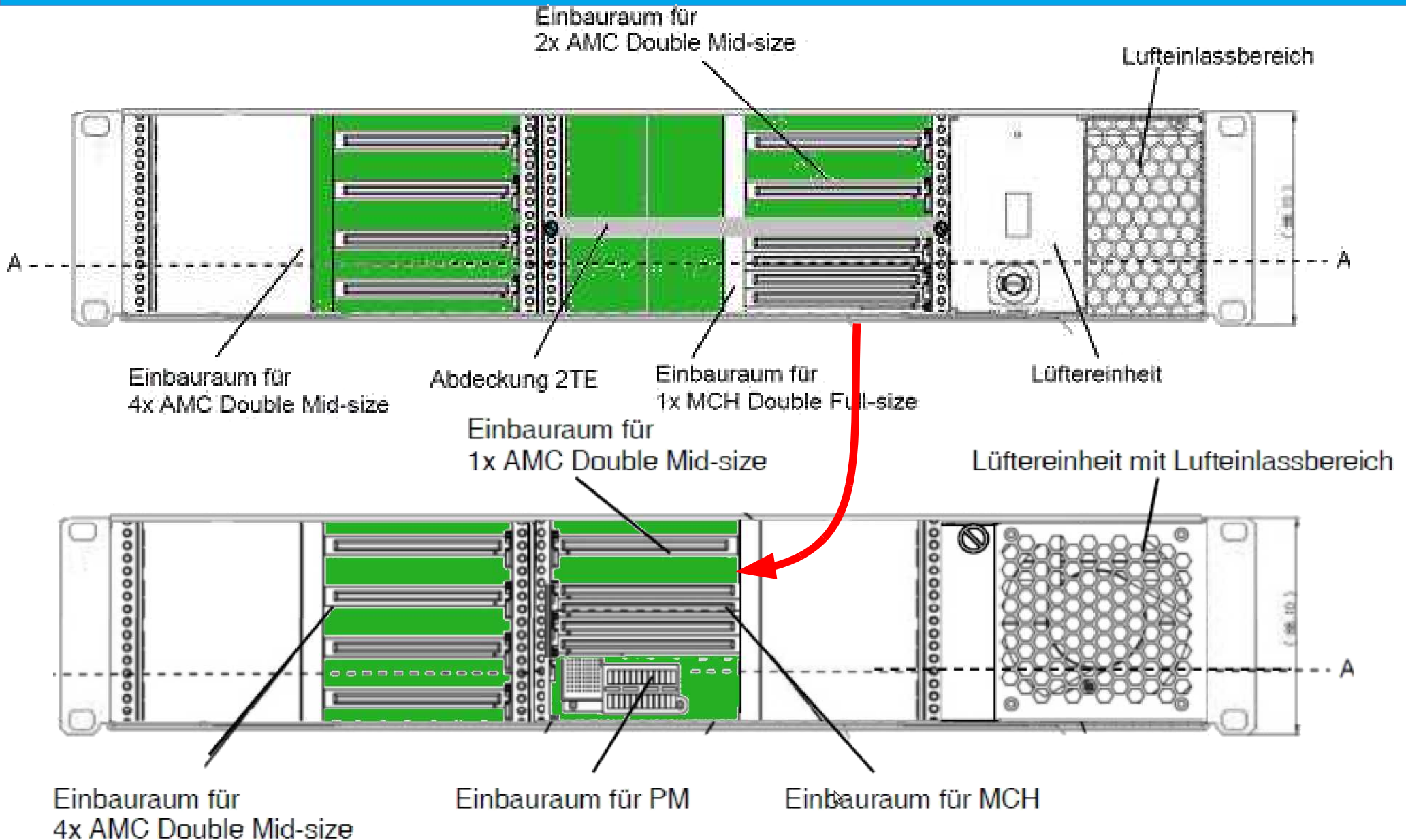
1 PEM

1 MCH

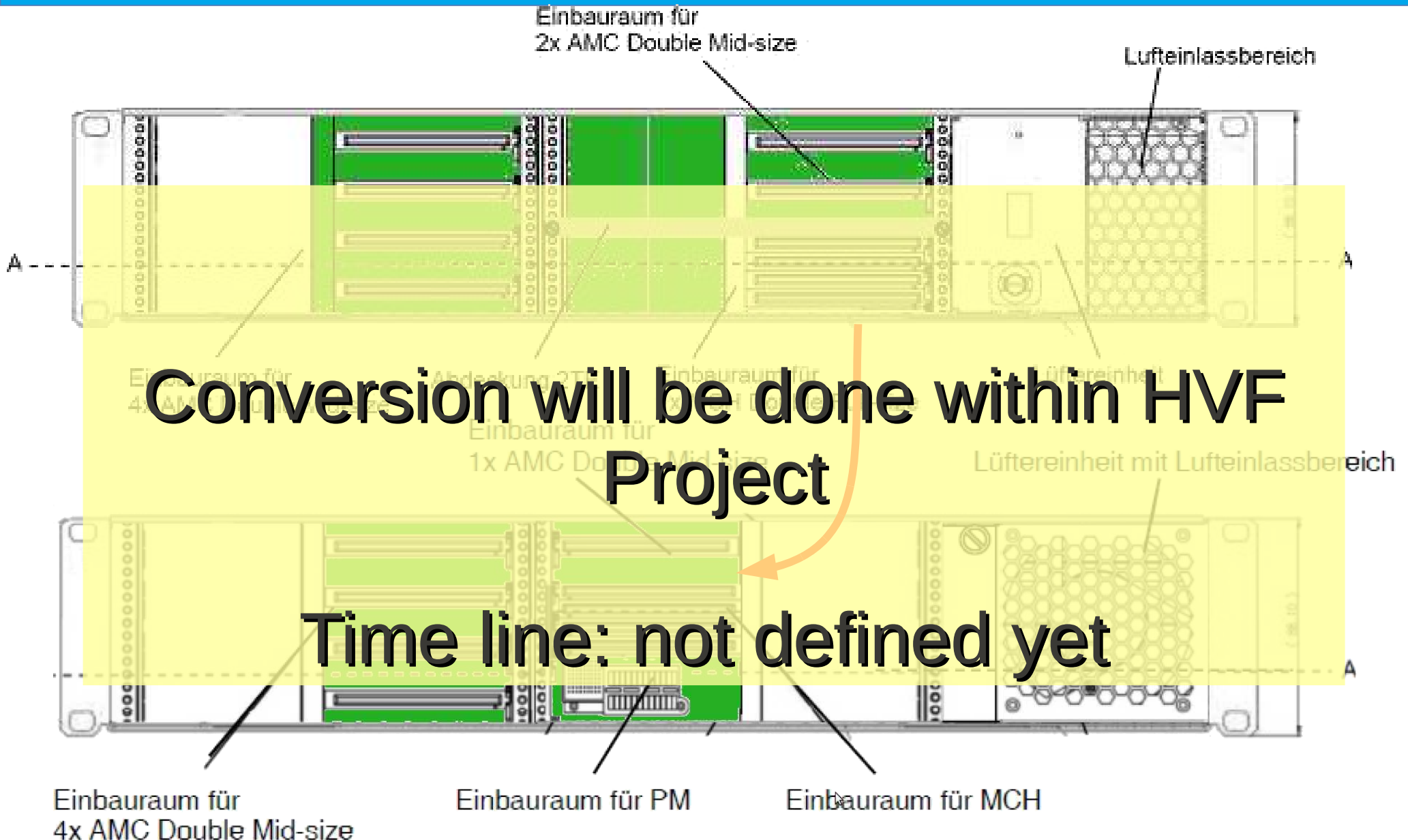
not ready for MCH+RTM



# 2U Schroff → MCH+RTM



# 2U Schroff → MCH+RTM



# 6U 60slot MTCA.4 / ELMA

Status: prototype

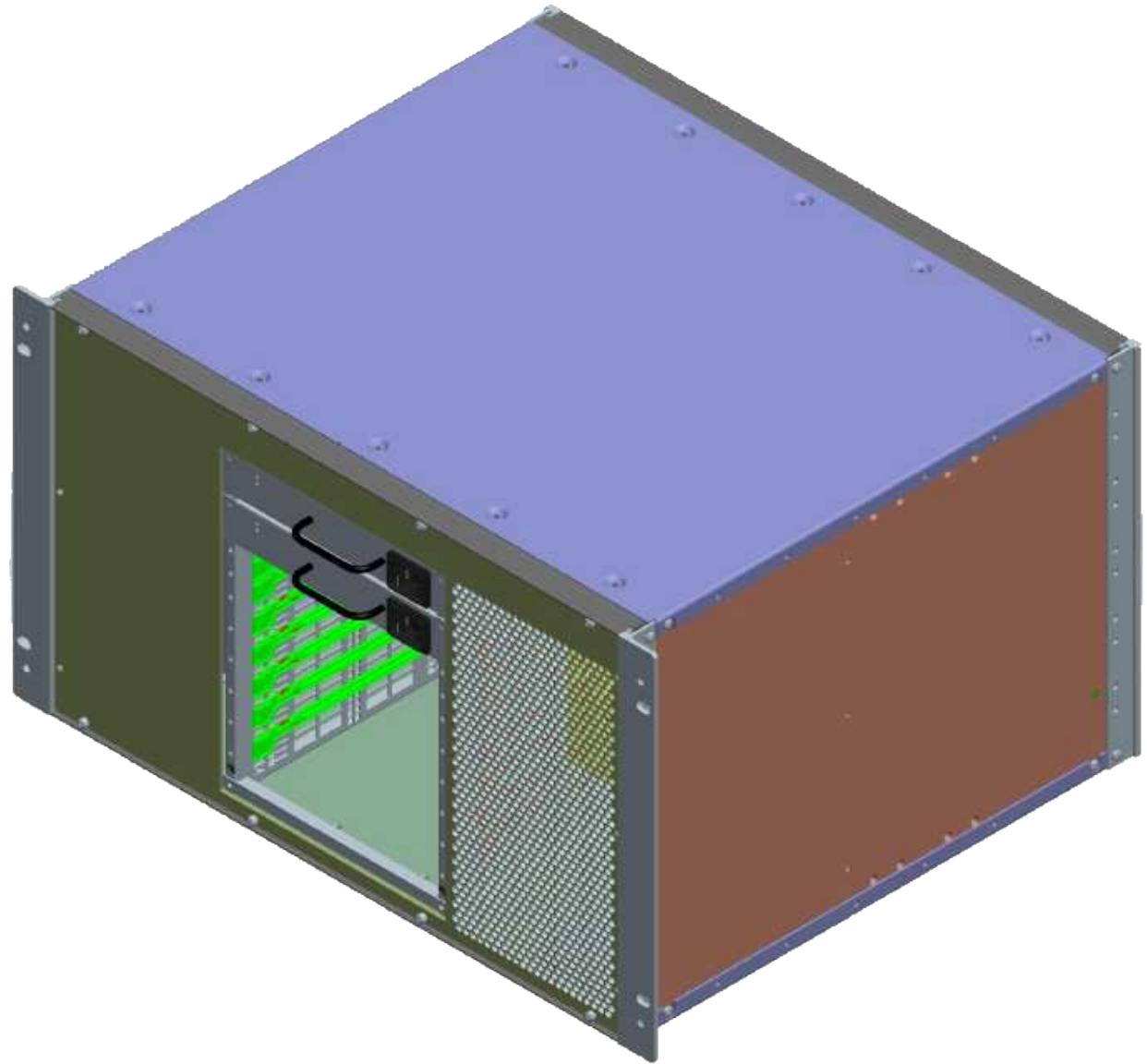
Futures:

- 6 slots

- 2 PEM

- 1 MCH (+RTM)

- “good” cooling



Thank you for your attention