

RESEARCH TECHNOLOGY.

Liebenberg Retreat 2025

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Research Technology in a nutshell

4

groups

DV – Kai Leffhalm
EL – Marek Penno
ME – Dirk Naumann
DET – Steven Worm

2

workshops

EL1 – Markus Schade
ME1 – Anja Sandmann-Lemm

2

Apprenticeship workshop

EL2 – Laura Jakobeschky
ME2 – Lukas Schulz

>6

Projects

ULTRASAT
ATLAS-Upgrade (DLAB)
MST/SST, IceCube/ RNO-G
PITZ/ FLASHlab

1st

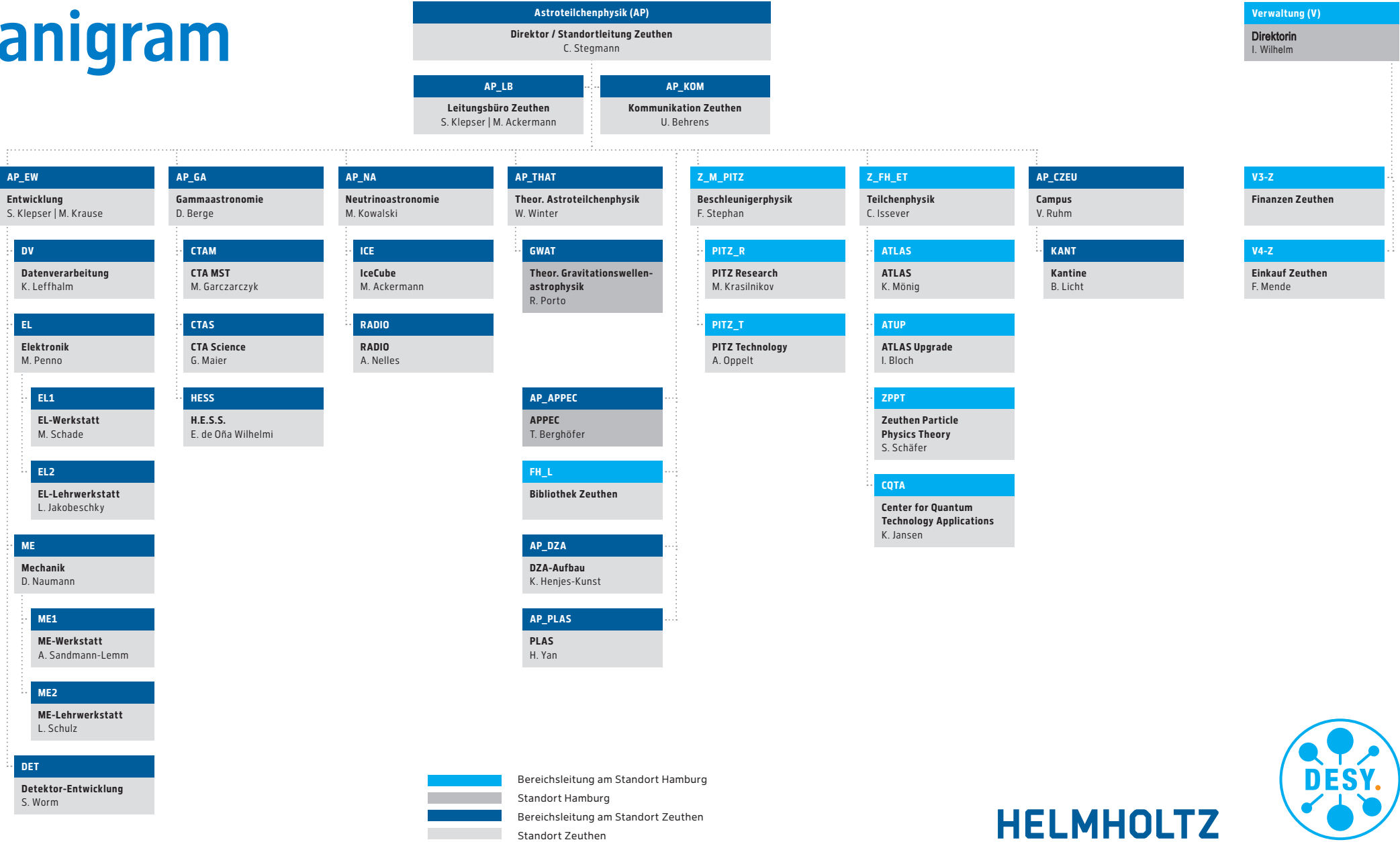
Priority

ULTRASAT & PITZ-GUN

hundreds

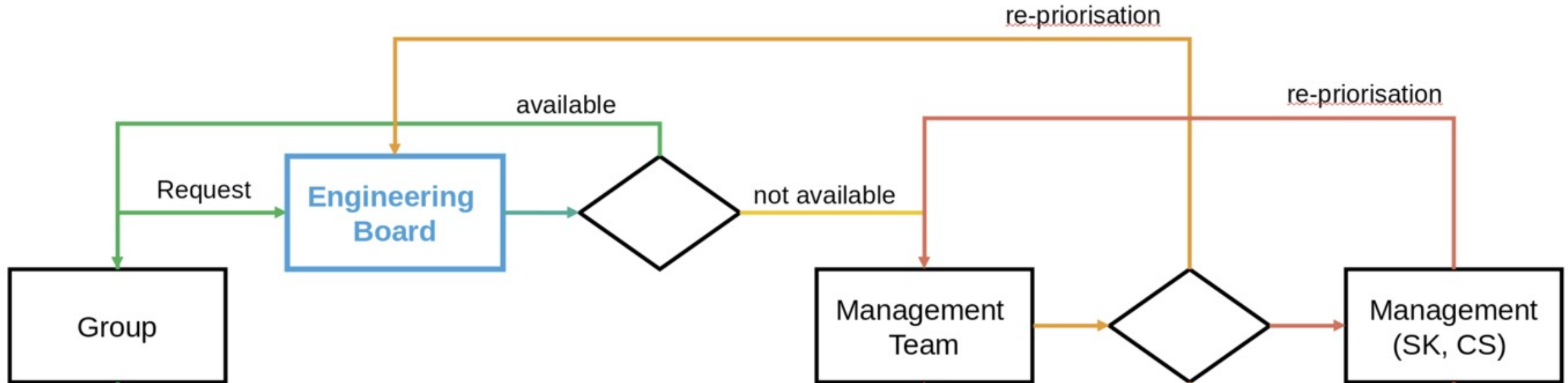
Of different opinions

Organigramm



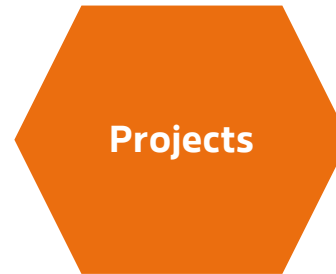
Projects @ DESY

How infrastructure resources (EL, ME, DV) are allocated



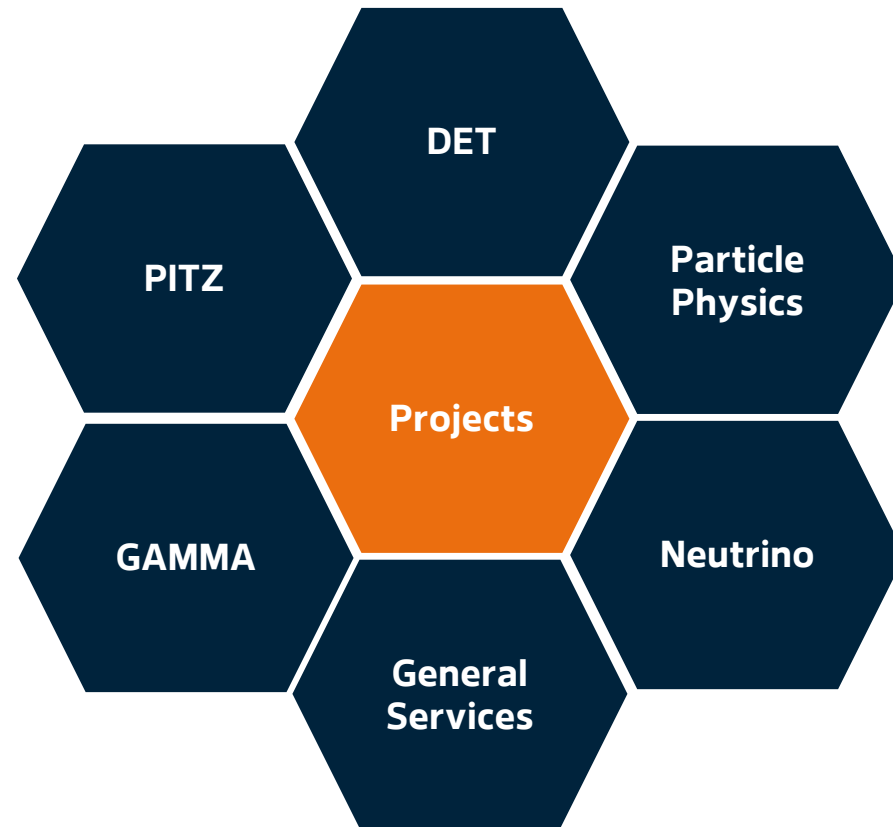
Current situation

Our projects



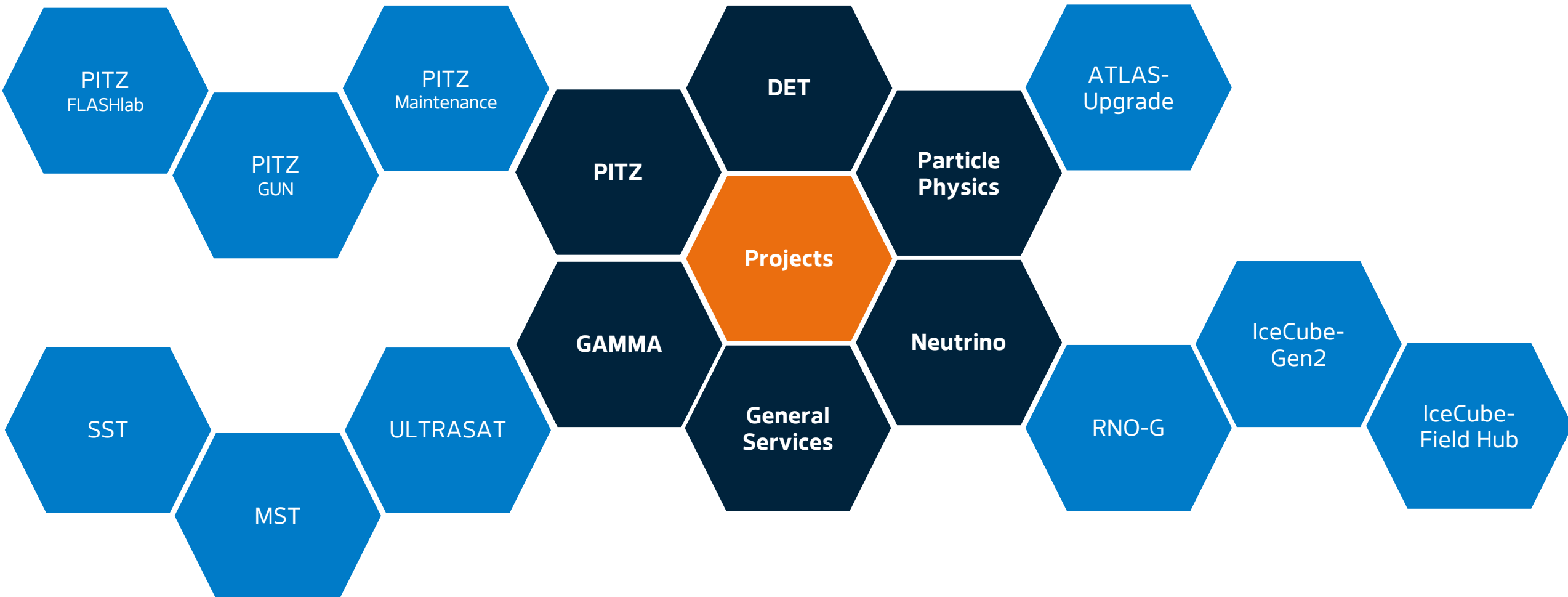
Current situation

Our projects



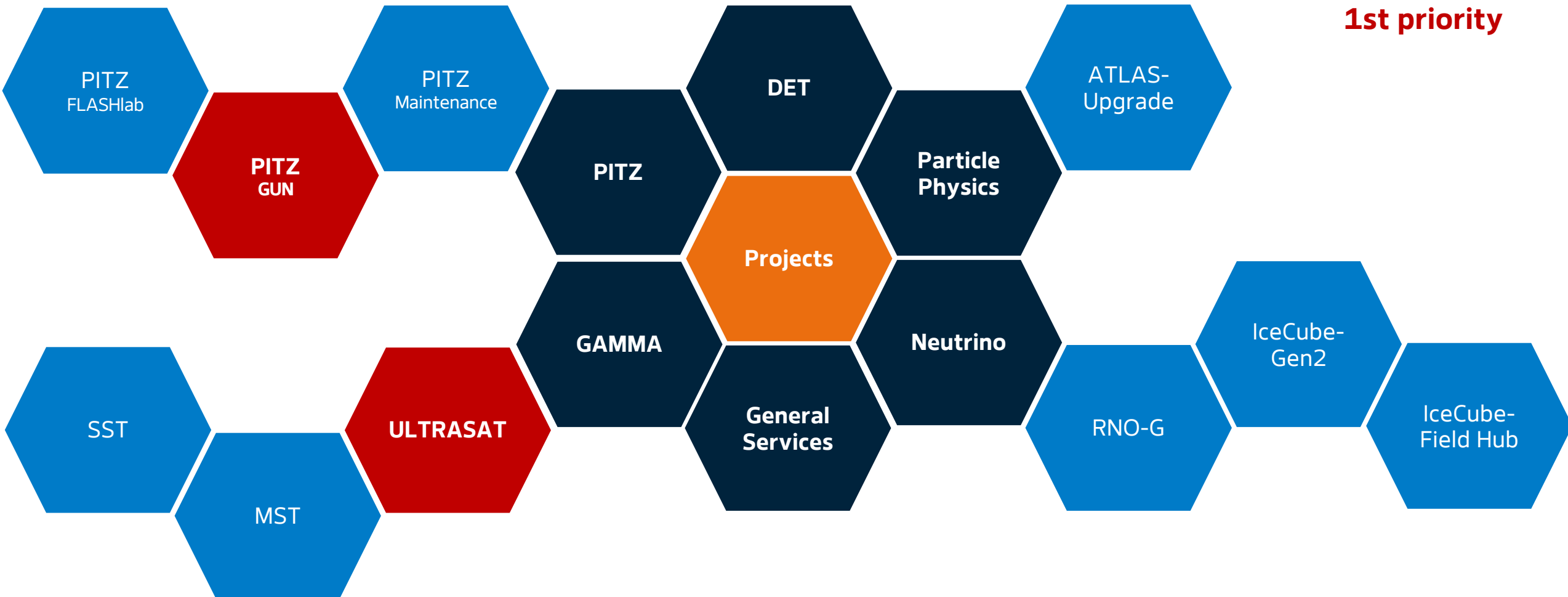
Current situation

Our projects



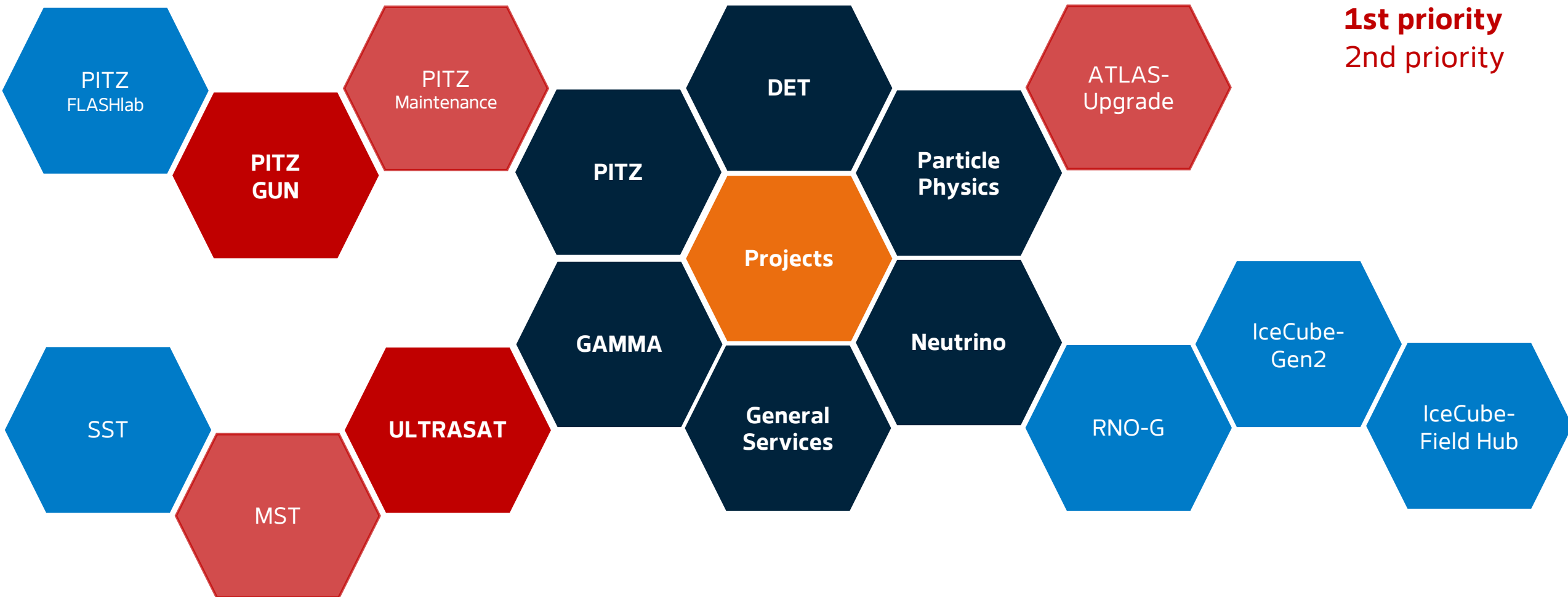
Current situation

Our projects



Current situation

Our projects



EL and ME – Employments planned, employments done

Recommendation from EnBo

Hired since last year

- 1 ZEW as agency worker („Leiharbeitskraft“)

Foreseen hires in 2025

- Jan Förster (01.10.2025, ZEW)
- Max Bünning (01.11.2025, EL)

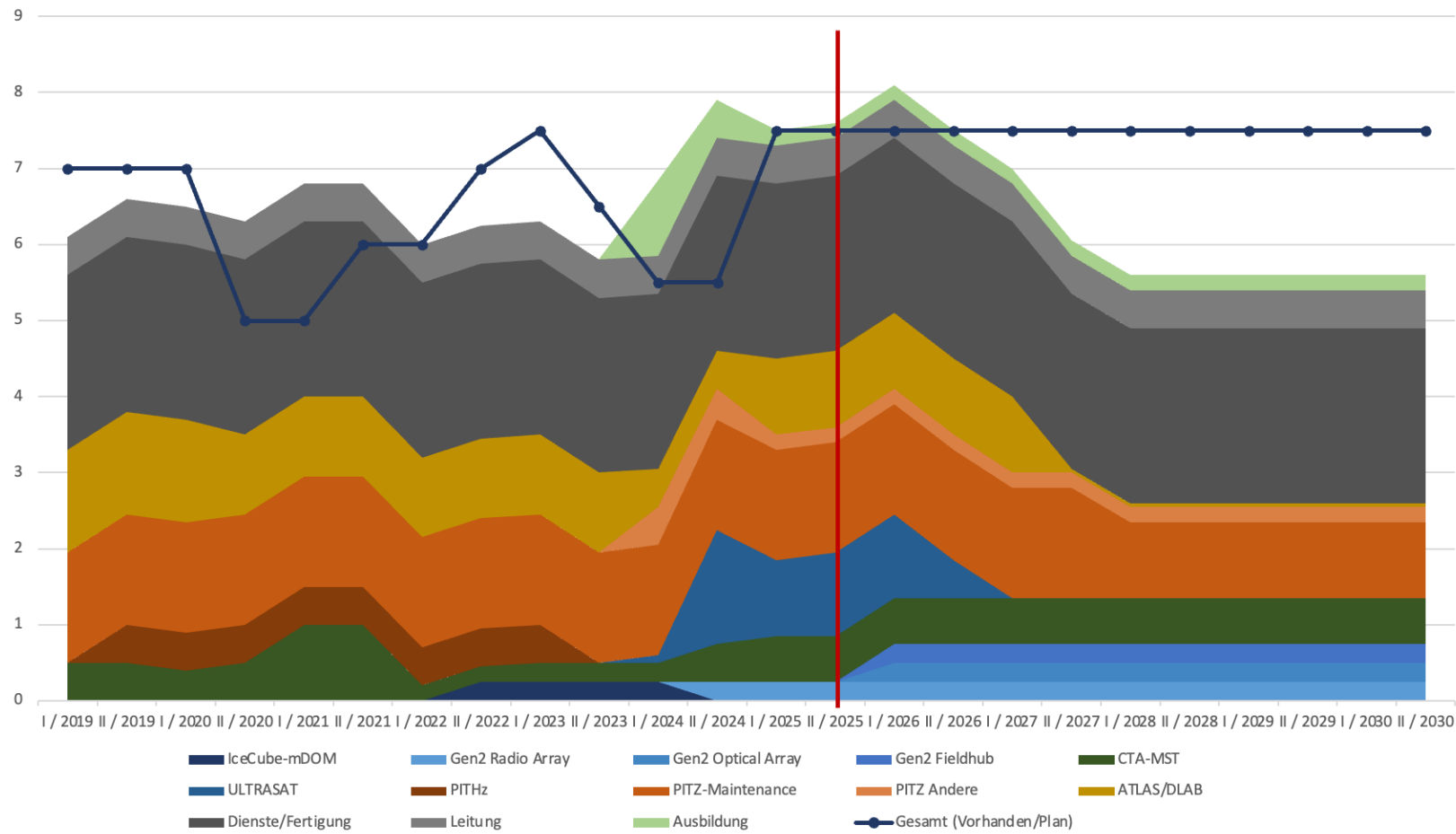
Situation

- All groups are suffering from the load of projects and lack of personnel
- Engineering board is open for discussion and acts like a round table of projects.
- Set-up of the engineering board: distribution of personnel to the projects according to their qualification (not about the person).
- Engineering personnel not only financed from the research technology groups but also from the requested (science) groups (e.g. systems engineer, electronics technician, firmware engineers, ...)

Electronics workshop

EL1

Zeitprofil Elektronikwerkstatt (nach Projekten)



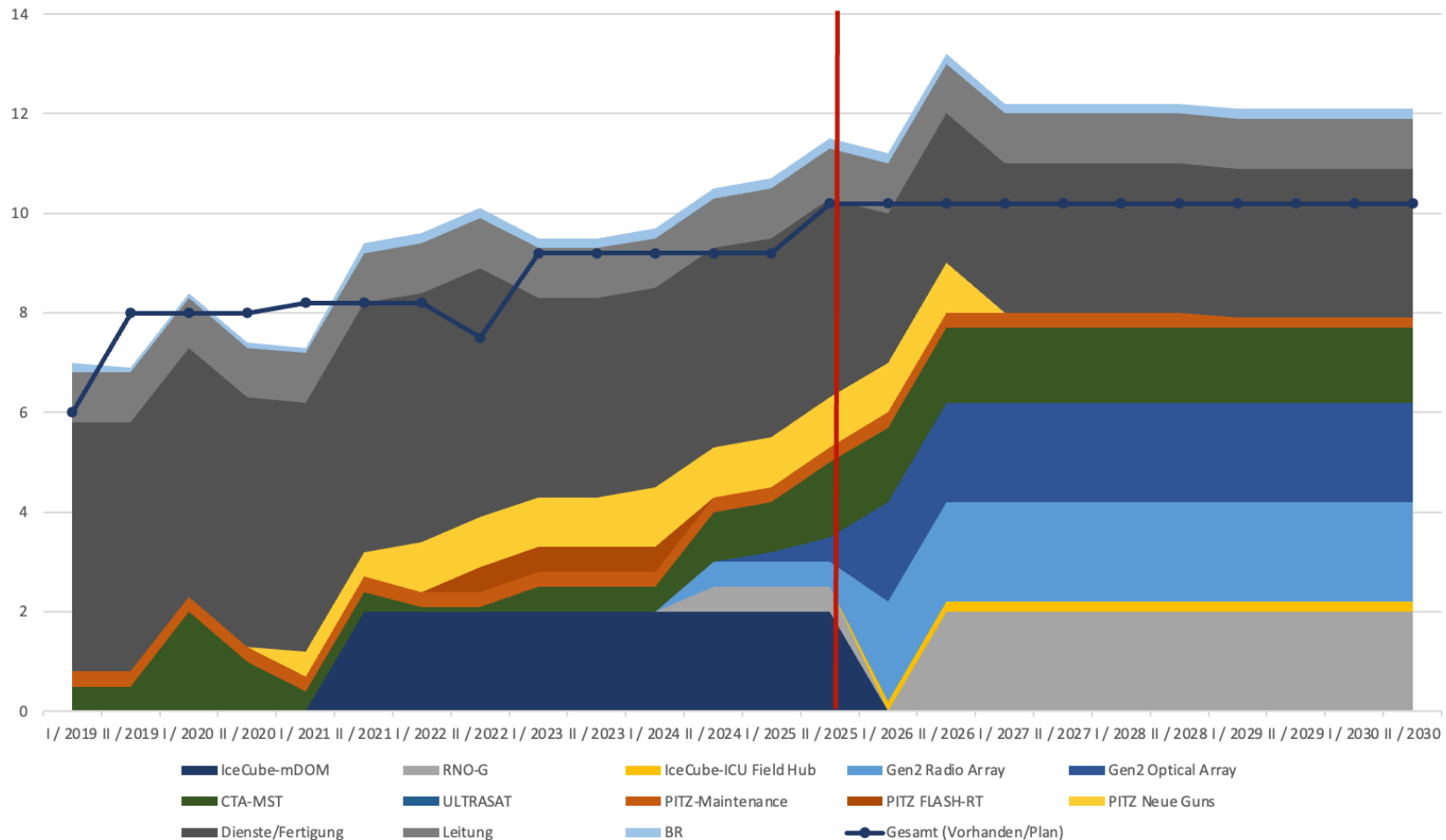
Analysis

- Many projects ongoing
- Different qualification required for various projects (specialists: SMD, bonding, aqua technique)
- In total: 7 FTE

Mechanical workshop

ME1

Zeitprofil Montage Mechanische Werkstatt (nach Projekten)



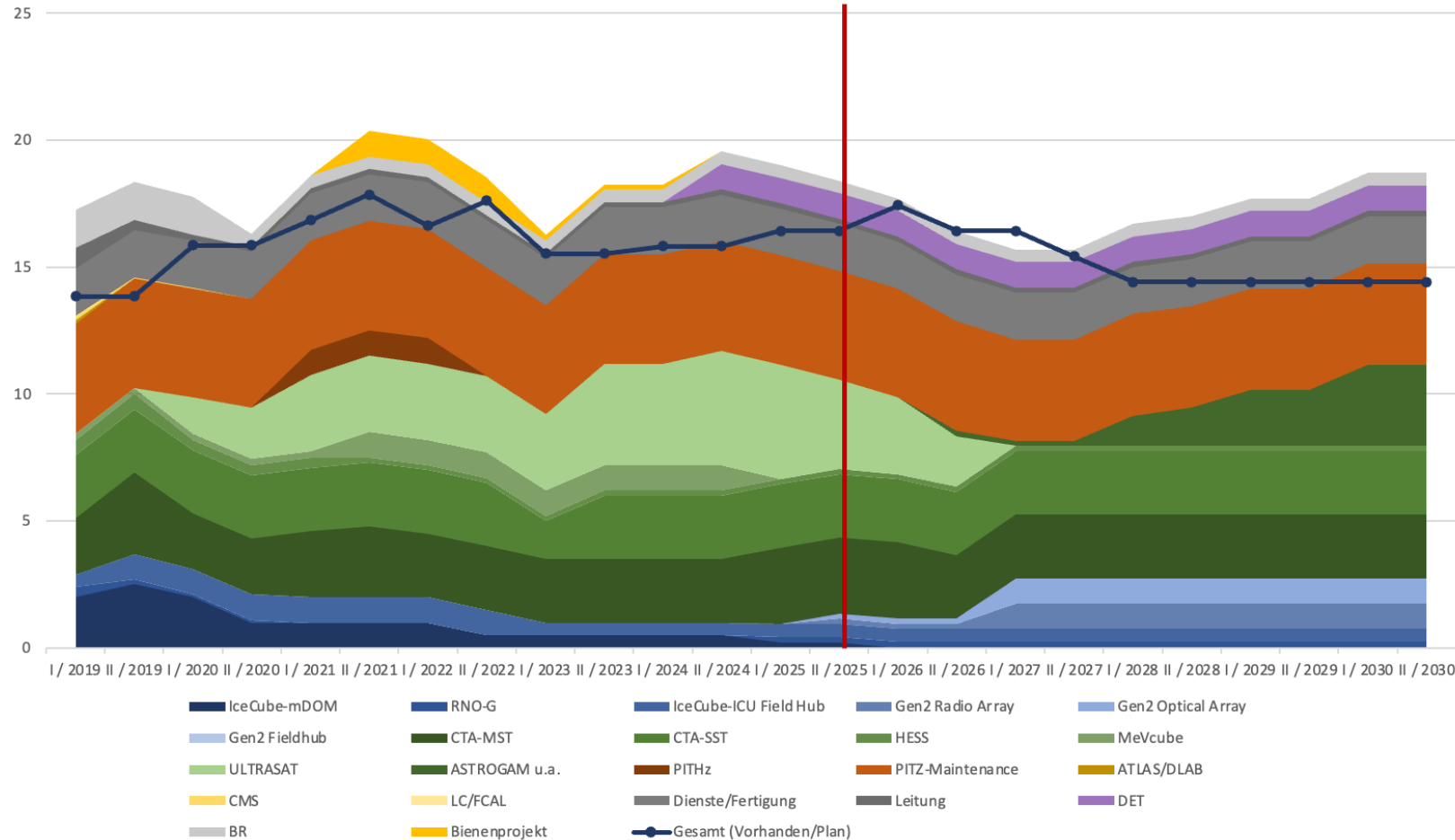
Analysis

- 1 Prolongation
- In total: 8.92 FTE
- Benefit from SEGRO hall personell (to be soon again there for MST pre-assembly)

Electronics

EL

Zeitprofil Elektronikentwicklung (nach Projekten)



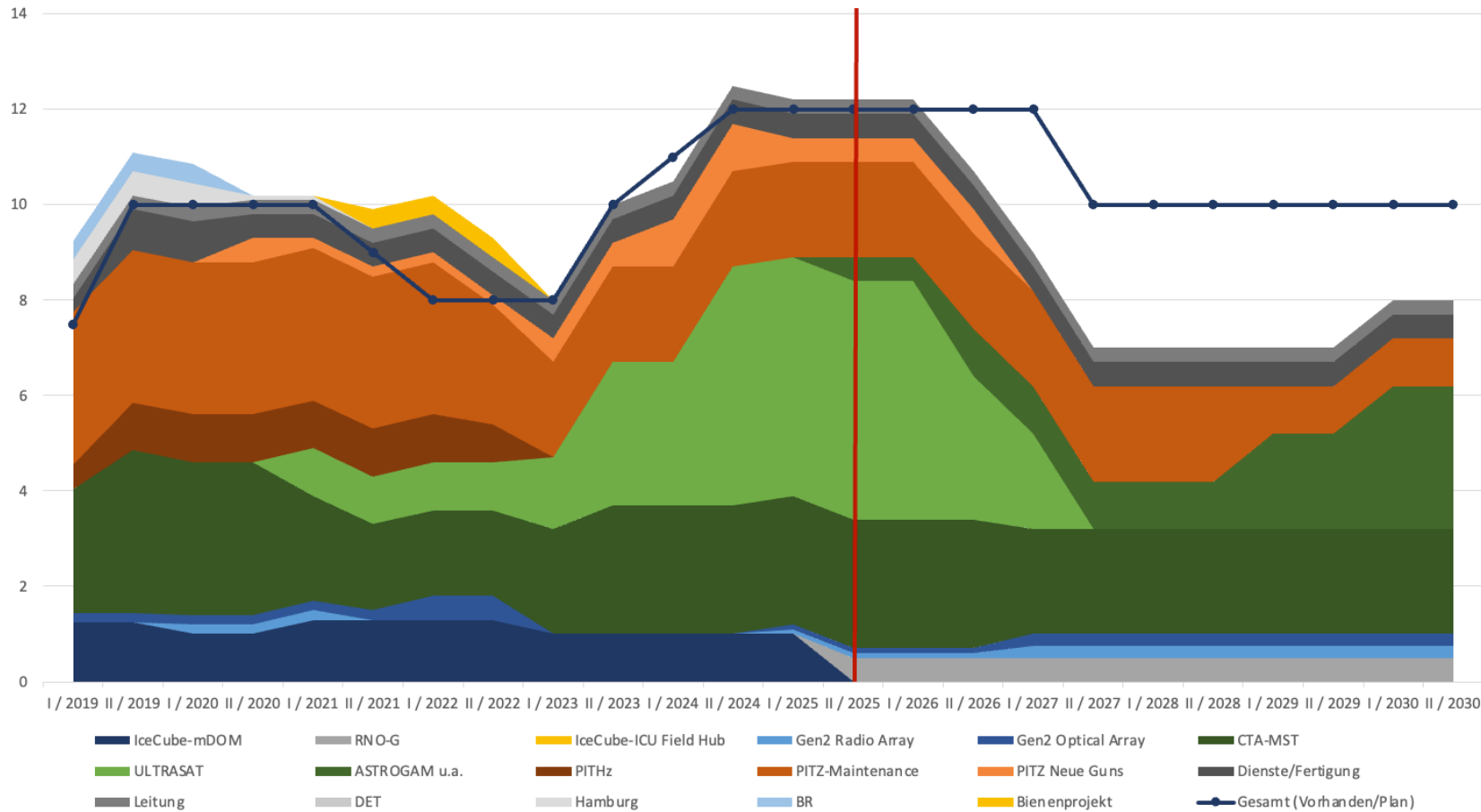
Analysis

- High request on ULTRASAT
- Key positions in other projects, e.g. MST/SST/PITZ
- Support of MST by new hired person (Max Bünning)
- In total: 17.75 FTE

Mechanics

ME

Zeitprofil Konstruktion (nach Projekten; incl 1 Zeichner und 1 Techniker)



Analysis

- Persons on parental leave are back → in total 11.77 FTE
- High request on personell for ULTRASAT
- Shortage in other projects: MST, PITZ, IceCube
- 2 prolongations