

State of the union

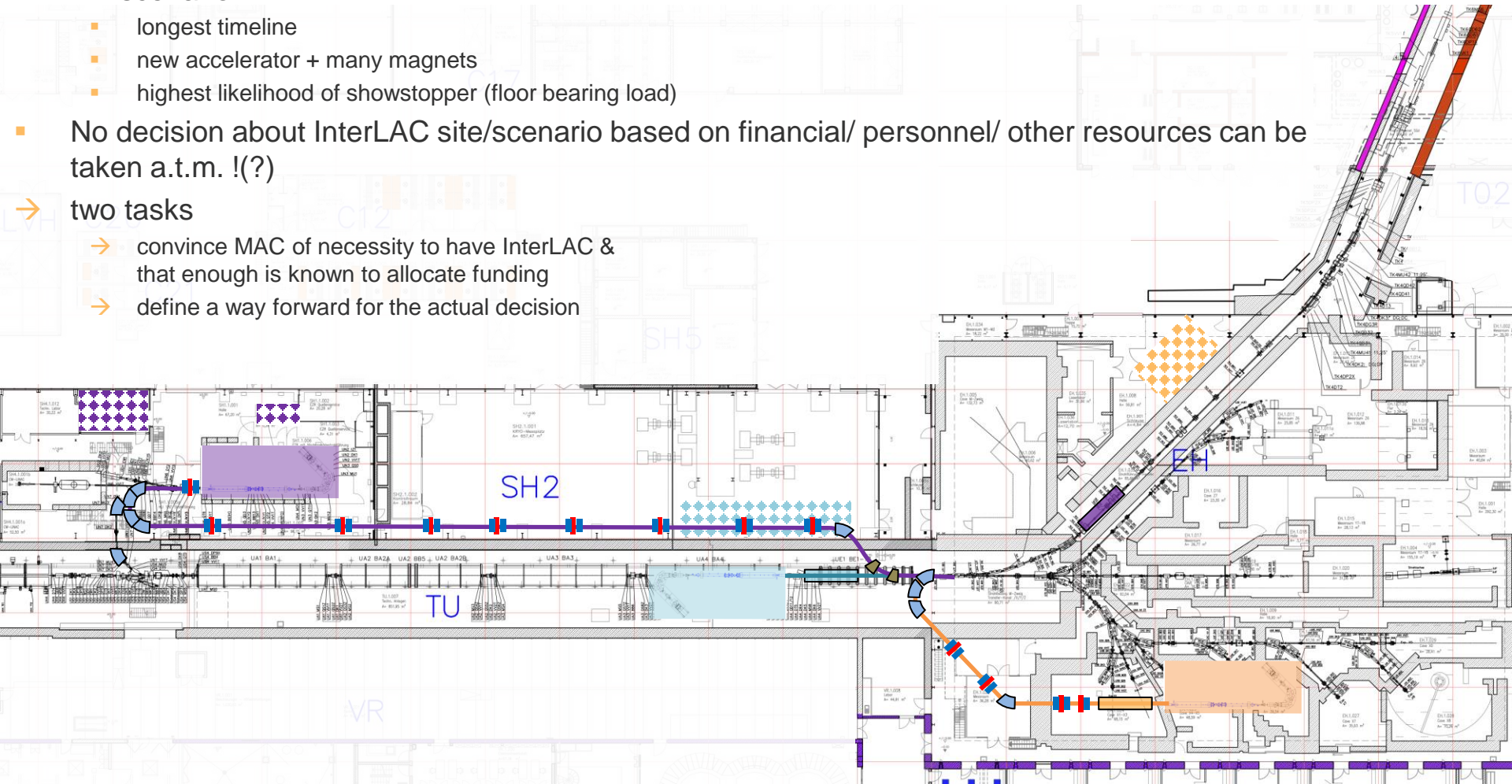
- SH & TU scenarios have pro's & con's,
- EH scenario

- longest timeline
- new accelerator + many magnets
- highest likelihood of showstopper (floor bearing load)

- No decision about InterLAC site/scenario based on financial/ personnel/ other resources can be taken a.t.m. !(?)

→ two tasks

- convince MAC of necessity to have InterLAC & that enough is known to allocate funding
- define a way forward for the actual decision



- EH scenario still has to be considered
 - cannot fully be excluded a.t.m.
 - explicitly mentioned in request for funding

- all scenarios cost the same! → 5.3 M€
 - number mentioned in request for money
 - argue that we will mainly re-use, re-purpose, “pre-use“ (for UNILAC restoration) equipment
→ main cost: booster (actually true, ~4-4.5 M€ incl. cavities, RF, bunchers, girders, ...)

- timeline for all scenarios within 2.5years

- message: with this money and time we can deliver the requested beam
→ the actual site is not critical for THIS decision

For the actual decision

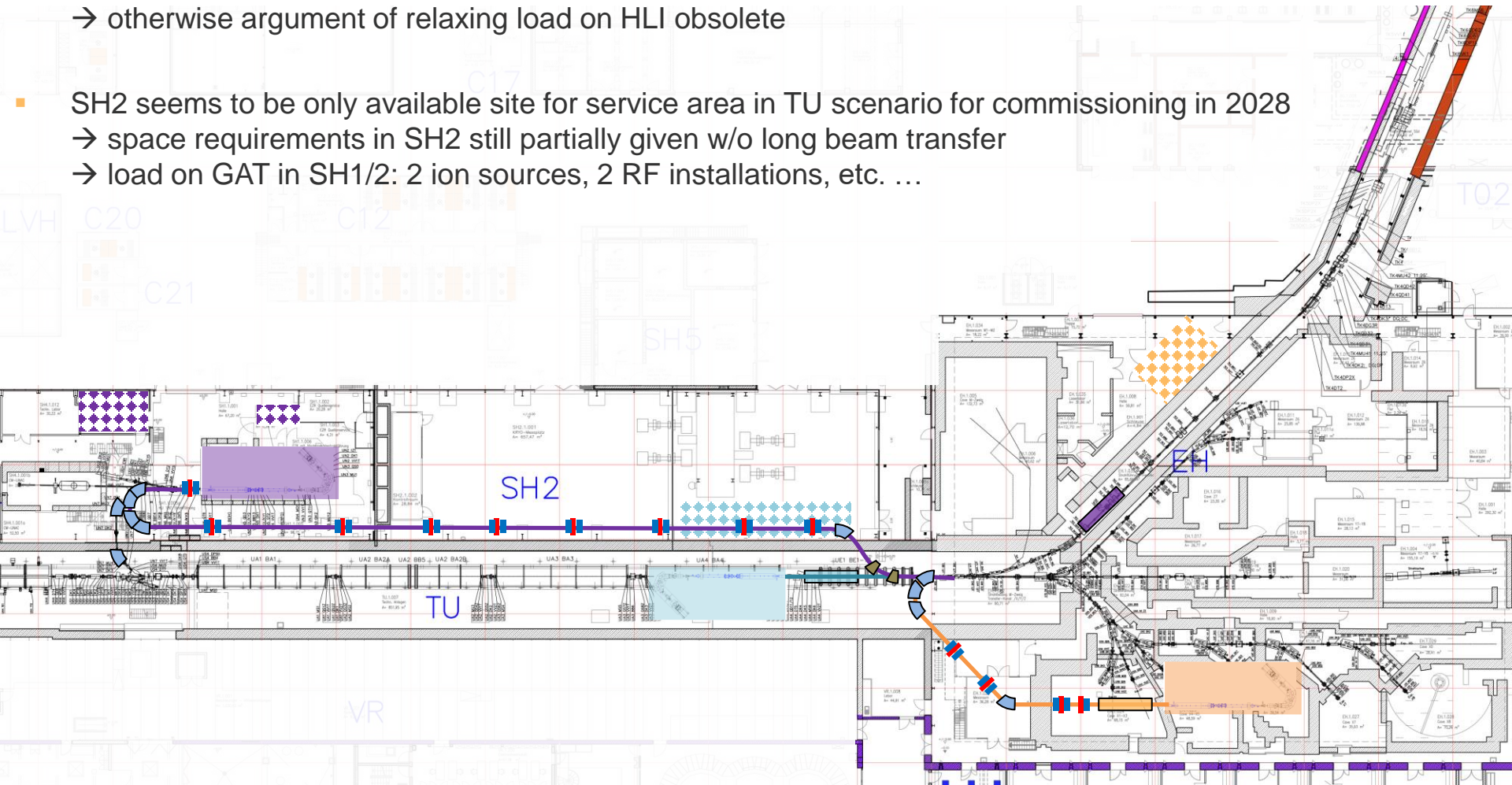


- finalise, distribute & iterate component lists for all scenarios
- identify available equipment
- financial requirements

- finalise personnel estimates
- identify service/infrastructure areas for all sites
 - discuss usage with current users
 - identify required measures for usability (GAT)

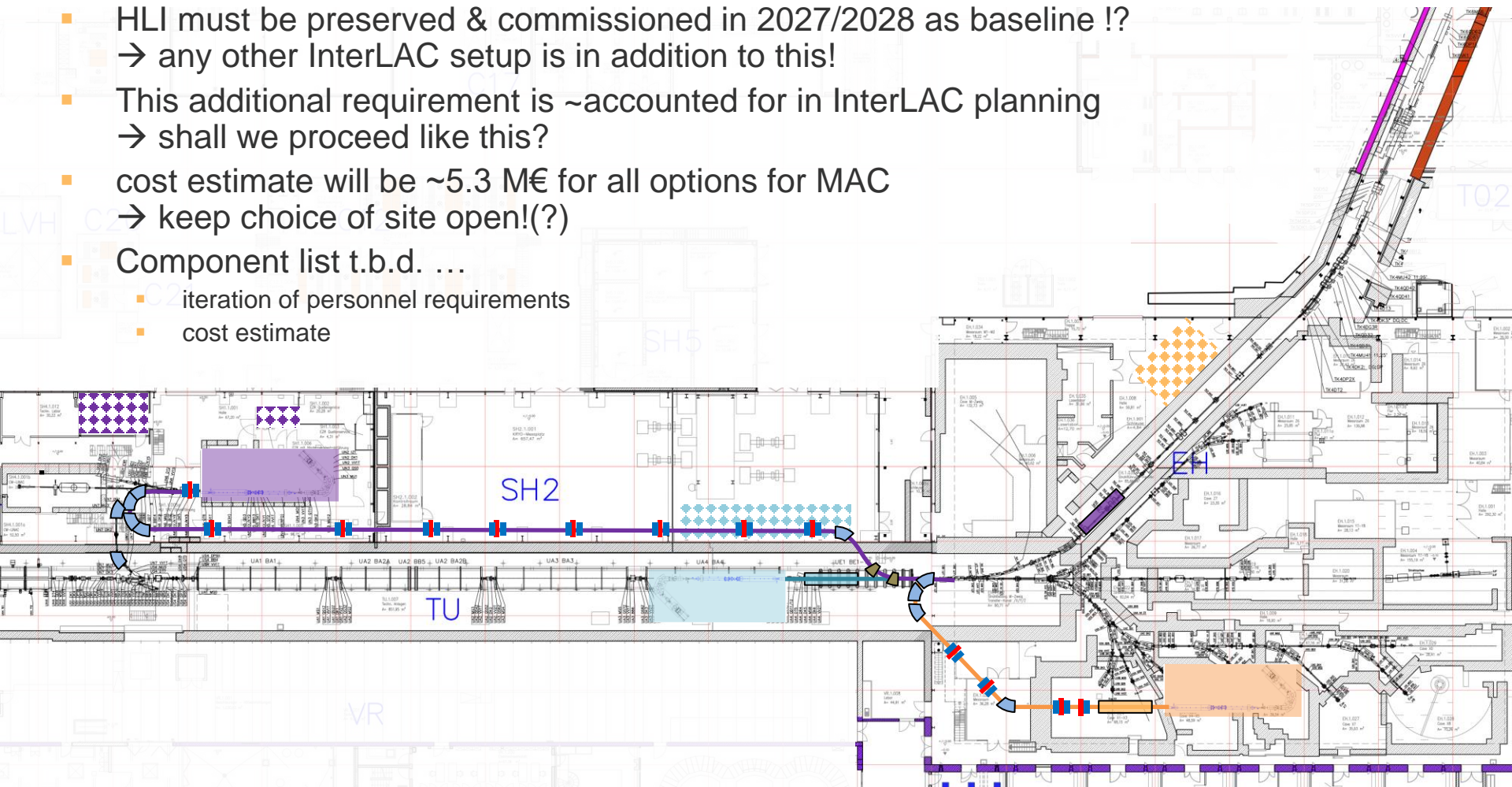
Remarks on scenarios

- TU & EH scenario both will(might??) require commissioning & operation of 2(!) accelerators (HLI + InterLAC) (incl. RF, PS, GAT, personnel)
→ otherwise argument of relaxing load on HLI obsolete
- SH2 seems to be only available site for service area in TU scenario for commissioning in 2028
→ space requirements in SH2 still partially given w/o long beam transfer
→ load on GAT in SH1/2: 2 ion sources, 2 RF installations, etc. ...



Open boundaries / critical questions

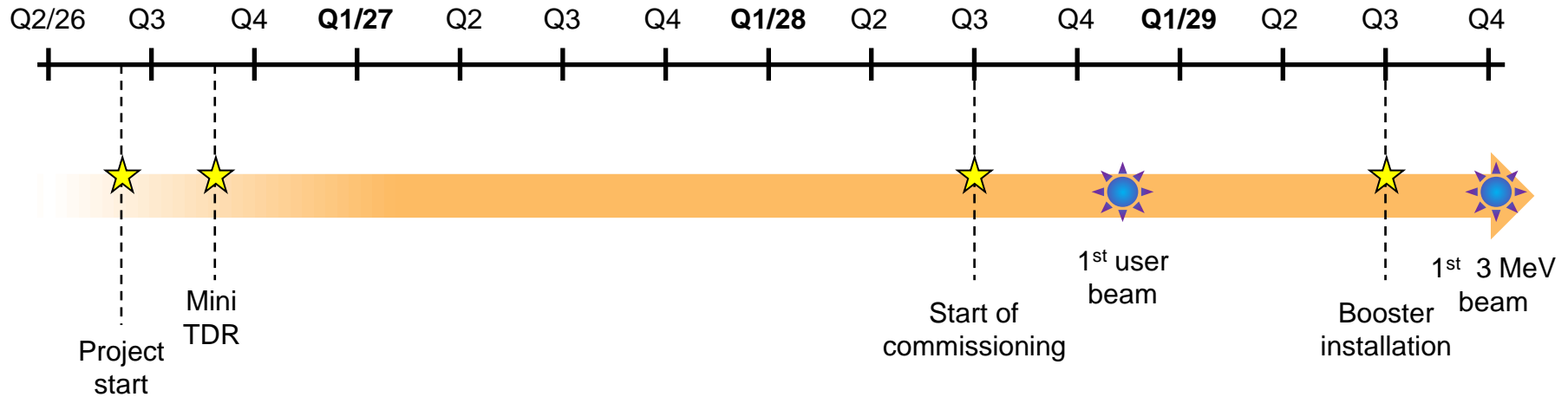
- HLI must be preserved & commissioned in 2027/2028 as baseline !?
→ any other InterLAC setup is in addition to this!
- This additional requirement is ~accounted for in InterLAC planning
→ shall we proceed like this?
- cost estimate will be ~5.3 M€ for all options for MAC
→ keep choice of site open!(!?)
- Component list t.b.d. ...
 - iteration of personnel requirements
 - cost estimate



- Fallback solution (“plan C“): HLI-like setup in TK



Project timeline



- Timeline set by scientific requirements
- Very ambitious
→ Find best compromise between scientific reach & feasibility
- Timeline one of main criteria for site/design