

CALOROC status

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- ❑ CALOROC is finally paid (all administrative issues solved)

 - ❑ Waiting official start (few days ?)

 - ❑ TSMC -> IMEC -> CERN -> OMEGA -> NCAP -> OMEGA

 - ❑ CERN is often in reduced activity from Dec 19th to Jan 5th

 - ❑ Chinese new year Feb 17th – Mar 3rd 2026

- ❑ CALOROC submission in September 2025 (ready in May)

 - ❑ All features inside – radiation hard

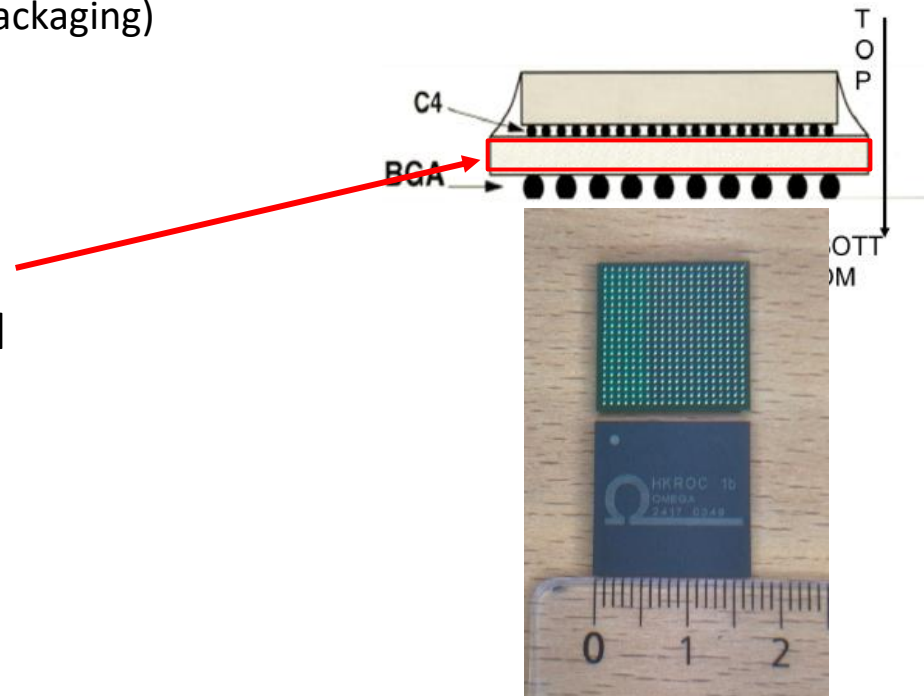
 - ❑ Expected Jan-Feb 2026 (after packaging)

- ❑ CALOROC substrate designed

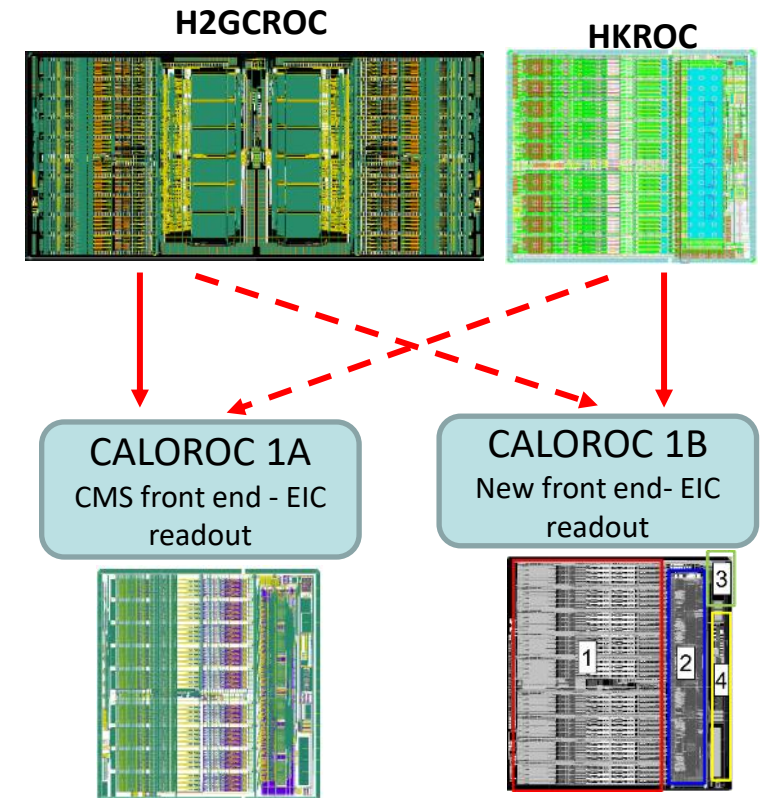
 - ❑ Needed to package the chip

 - ❑ Based on CMS substrate

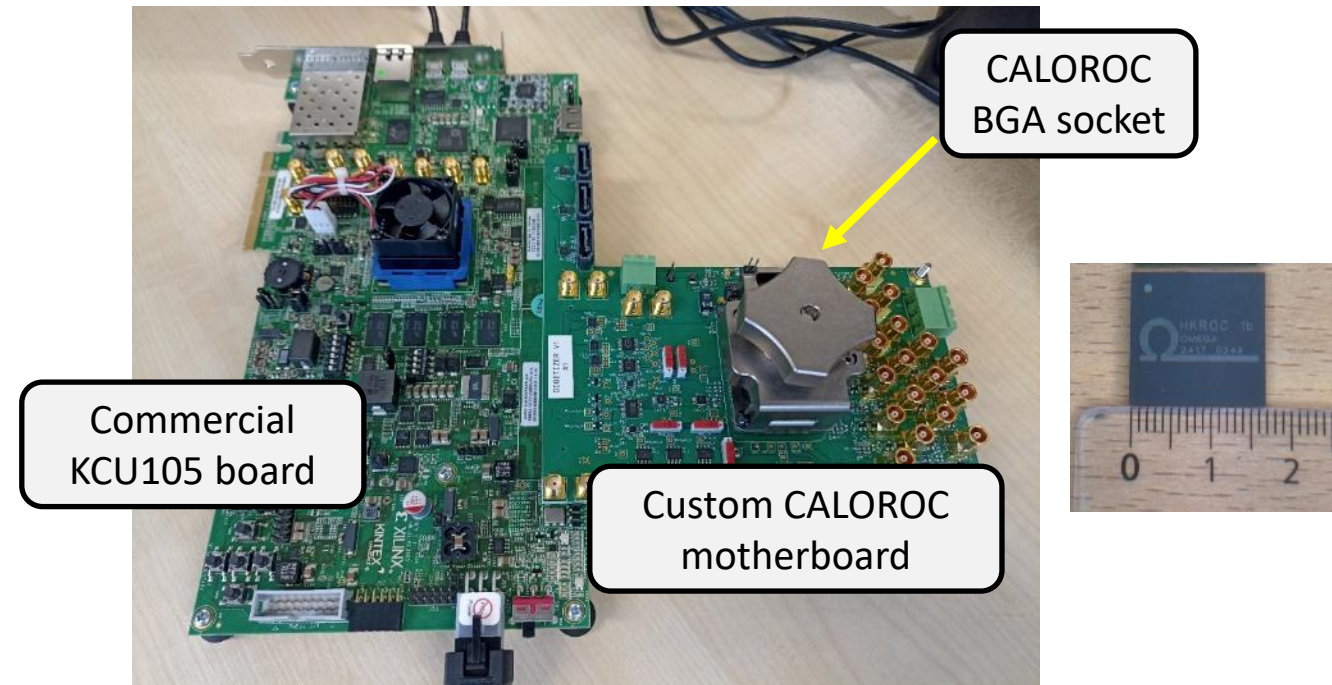
 - ❑ Ordered in June 2025

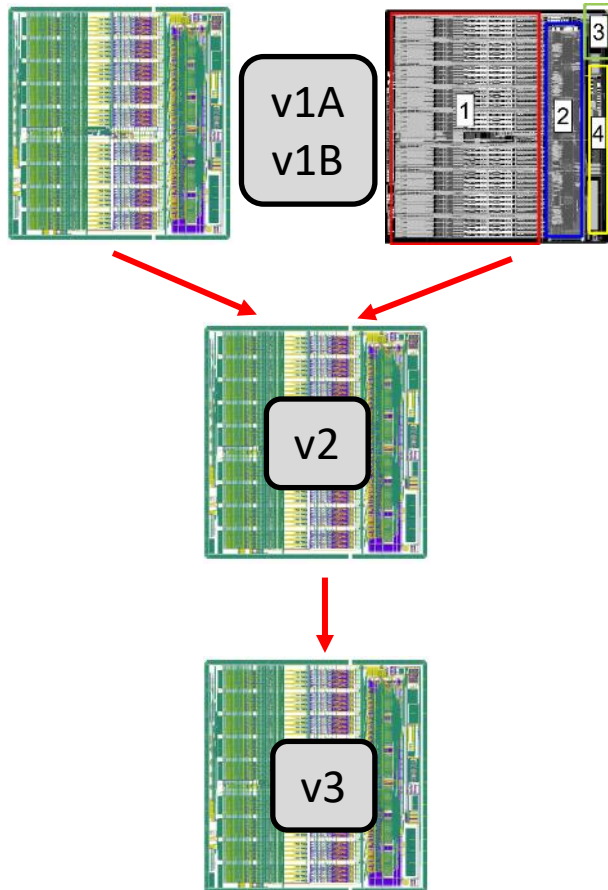


EIC 2025



- ❑ CALOROC testboard (motherboard) design started in June
 - ❑ Prototypes v1 will be ordered **by the end of 2025**
- ❑ 1x CALOROC socket ordered and received (Sept)
 - ❑ 1 will be reused from another project
- ❑ KCU available (now at IJCLAB)





- ☐ Jan 2026: produce and distribute testboards
 - ☐ Characterization (with socket to be ordered)

- ☐ 2026 - Extensive tests and comparison of CALOROCs
 - ☐ End of 2026: selection on performances and system needs
 - ☐ Substrate validation
 - ☐ Same channel count

- ☐ 2027: Submission of selected CALOROC2
 - ☐ If needed new substrate
 - ☐ Substrate validation
 - ☐ Irradiation tests
 - ☐ Robot testboards

- ☐ Q2 2028: Submission of final CALOROC3
 - ☐ To be adjusted with EICROC tech node (130 vs 65 nm)

