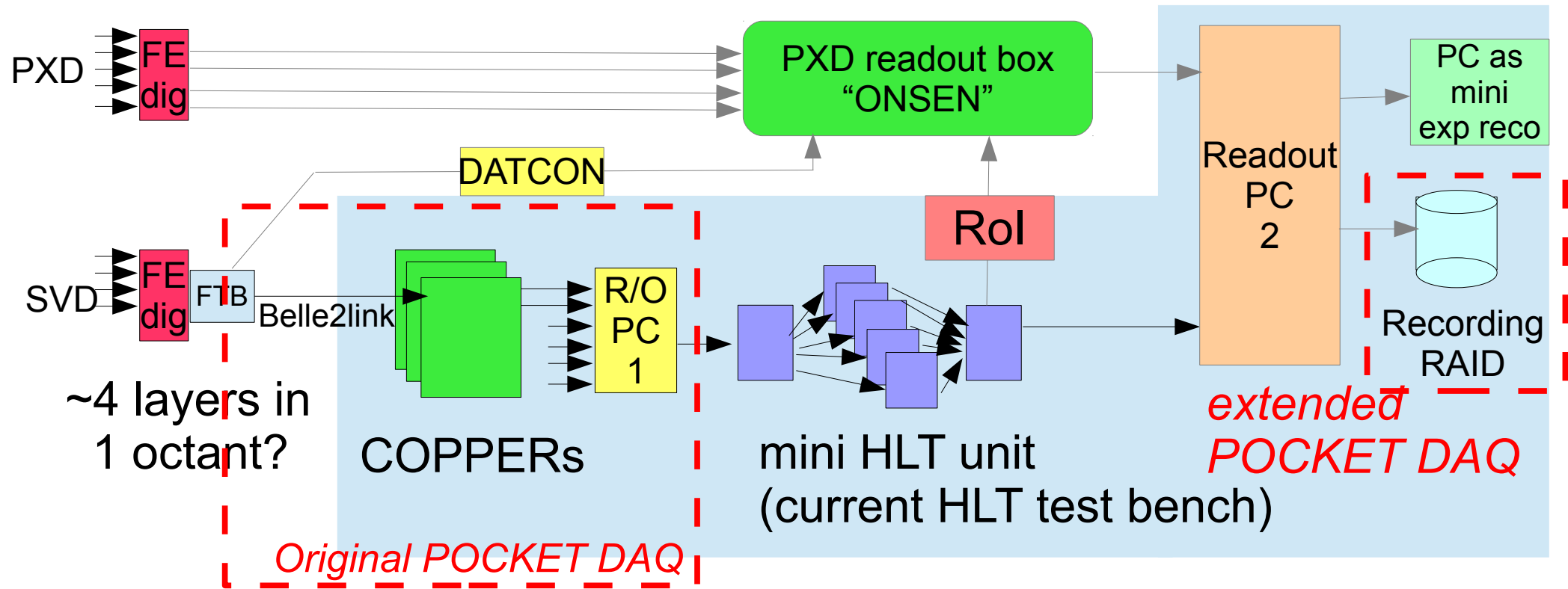


Issues to be discussed on DAQ for telescope test (recompiled from list assigned to me by Higuchi-san)

R.Itoh, KEK

1. General layout of VXD-DAQ for telescope test
 - * How to migrate EUDAQ (for Mimosa) in Pocket DAQ?
 - Data flow from Mimosa (and other beamline detectors)
 - Slow control
 - * Network topology
2. Prospect for Pocket DAQ
3. DQM implementation
 - * DQM for SVD (PocketDAQ)
 - * DQM for Onsen
 - * DQM at mini-express reco
4. HLT
5. Procurement of PC equipments for test
6. Dry-run test bench
 - * At DESY
 - * At KEK

1. General layout of VXD-DAQ for telescope test



- Based on "POCKET DAQ" being developed for detector beam tests with Belle2link
- Additional components:
 - * HLT
 - * RoI distributor
 - * Readout PC 2 as the event builder 2
 - * Monitor PC as mini express reco

Issue: How to read out telescope detectors incl. Mimosa

6. Dry run set up

- DESY dry run
 - * Full set up with PXD + SVD + EUDAQ + extended POCKET DAQ
 - * When can we set it up?
- KEK local dry run setup
 - * Necessary for the development of “extended POCKET DAQ”
 - * Hardware:
 - COPPER, Readout PC1, mini HLT, Readout PC2 and RAID
 - => In hand
 - Is it possible to set up PXD + SVD readout at KEK?
 - PXD : not realistic?
 - * Simulated raw data generation for PXD which simulates output of Onsen.
 - SVD: it is desired to have a real readout from Belle2link.
 - * If it is difficult, is it possible to have a FTB which can generate simulated raw data?
 - Telescope readout? Is it possible to have a simulated system?

Idea sketch of KEK dry run test bench

