

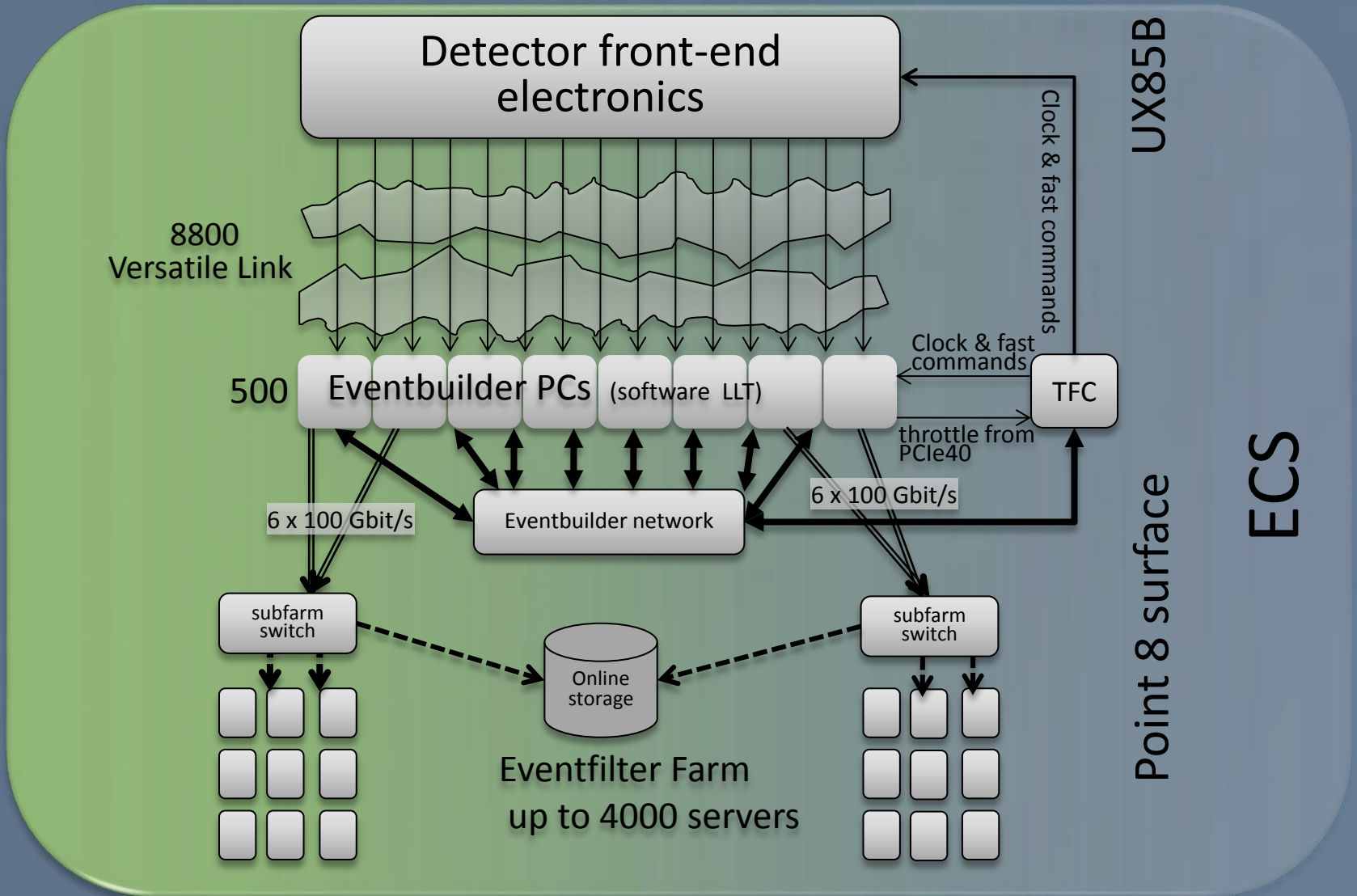
Online system

Infrastructure for LHCb Upgrade workshop –
Session III: DSS, support struct., dismantling,
Integration, Installation, RP

20/2/2015

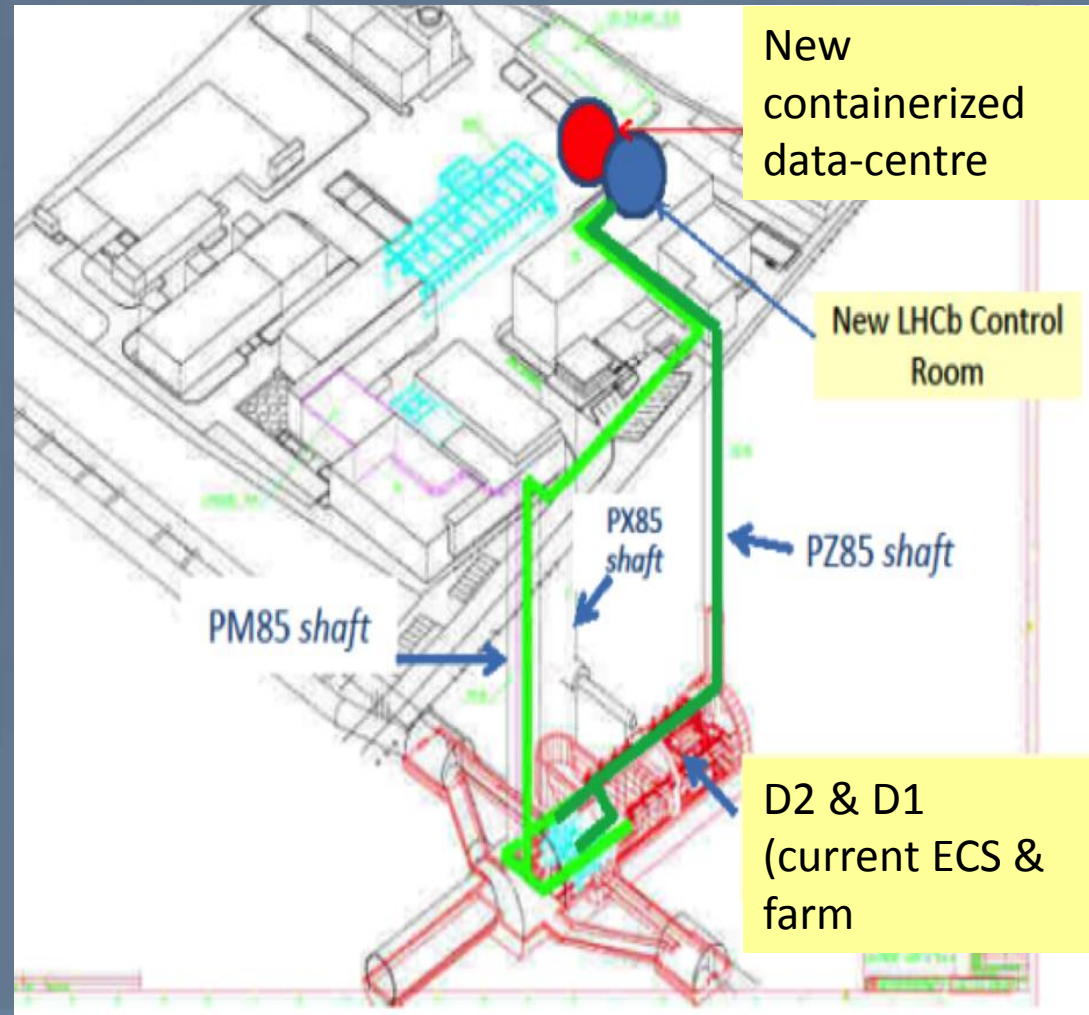
Niko Neufeld PH/LBC

Online Architecture



Location of Online system from LS2

- Run#1 and Run#2: Lot of Online equipment installed in D1 and D2, small amount in D3 (central TFC)
- LS2 and after: most equipment in containerized data-centre on the surface + a small amount in D2



Deinstallation Online

- We need mostly some handling / transport support
- D1 barrack can be freed, slow-control cables in D2 will need to be revised and cleaned-up
- No activated equipment, no support structures
- We might want to reuse some of the servers at least for startup of Run#3
- Rest → recuperation

Installation new data-centre

- Need a foundation for the containers, integration on site necessary (should not be too difficult)
 - Can only be decided once model of containers has been decided
 - Need input on constraints
- Container data-center will most likely be bought complete with built-in SCADA → no DSS needed
- Some handling and transport support needed
- No radiation issues on the surface (hopefully 😊)

Just kidding...