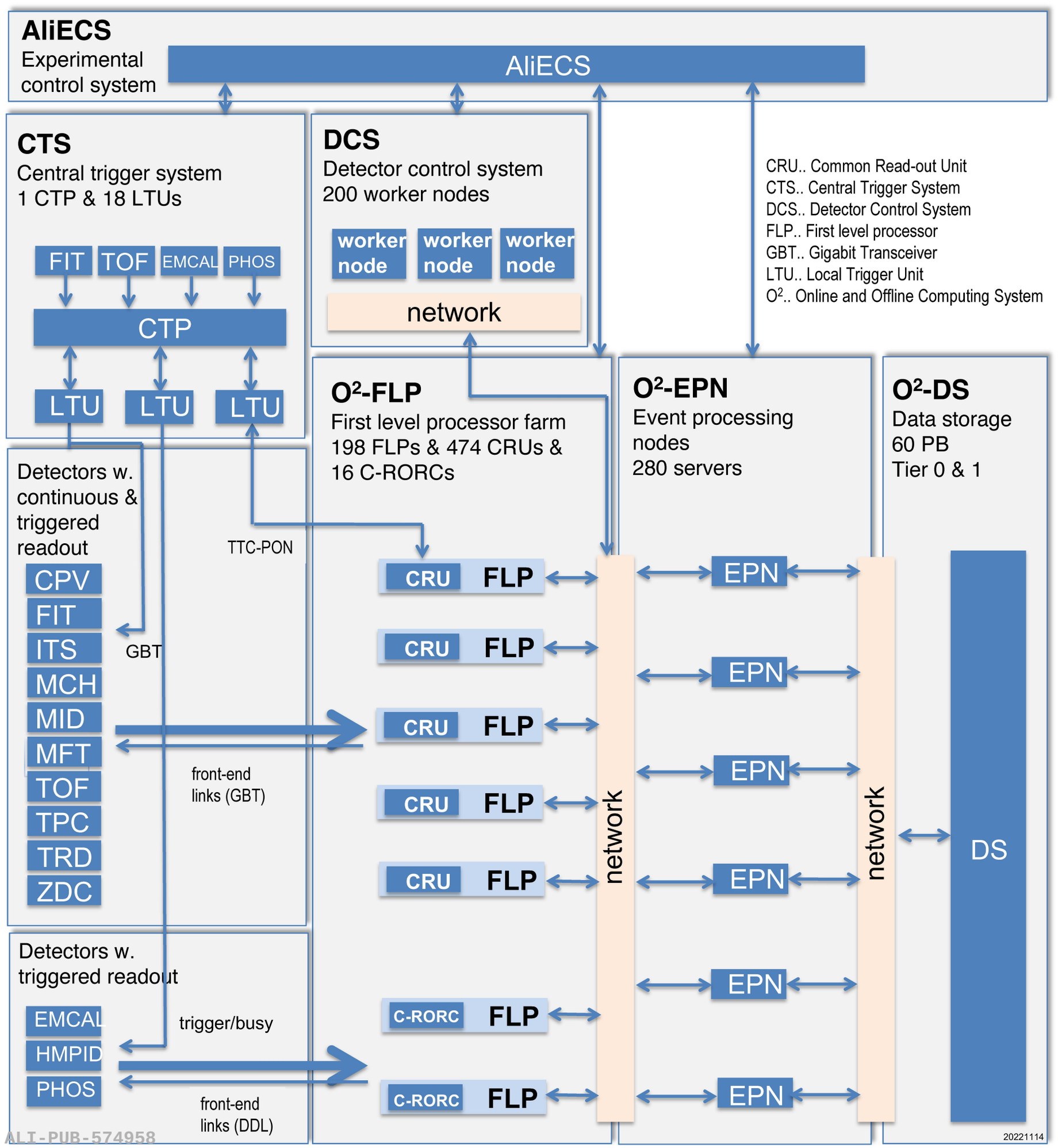
AliECS
Experimental control system
AliECS
CTS
Central trigger system
1 CTP & 18 LTUs
FIT
TOF
EMCAL
PHOS
CTP
LTU
LTU
LTU
DCS
Detector control system
200 worker nodes
worker node
worker node
worker node
network
CRU.. Common Read-out Unit
CTS.. Central Trigger System
DCS.. Detector Control System
FLP.. First level processor
GBT.. Gigabit Transceiver
LTU.. Local Trigger Unit
O2.. Online and Offline Computing System
O2-FLP
First level processor farm
198 FLPs & 474 CRUs &
16 C-RORCs
O2-EPN
Event processing nodes
280 servers
O2-DS
Data storage
60 PB
Tier 0 & 1
Detectors w. continuous & triggered readout
CPV
FIT
ITS
MCH
MID
MFT
TOF
TPC
TRD
ZDC
GBT
TTC-PON
front-end links (GBT)
Detectors w. triggered readout
EMCAL
HMPID
PHOS
trigger/busy
front-end links (DDL)
CRU
FLP
C-RORC
FLP
network
EPN
network
DS
20221114
ALI-PUB-574958