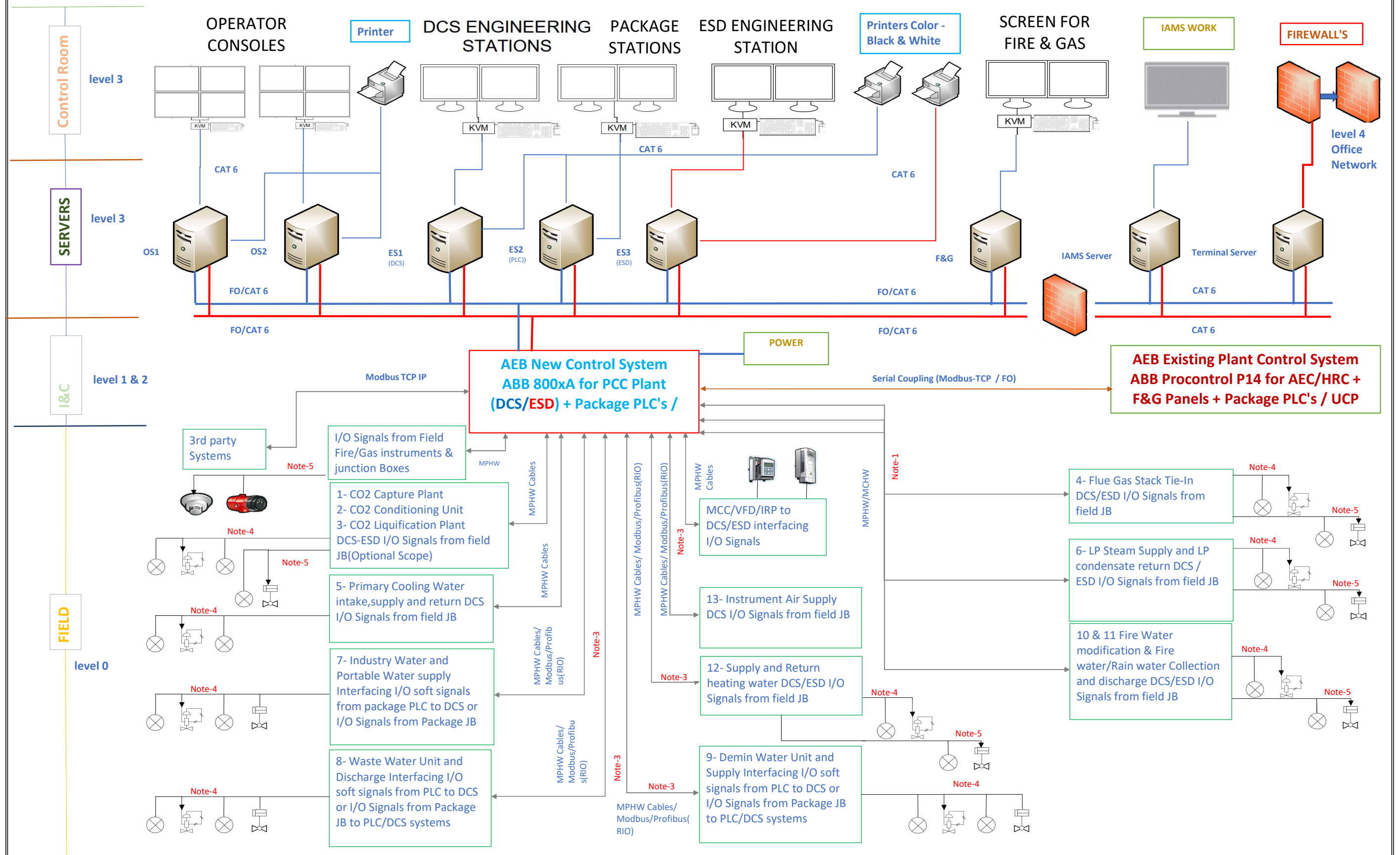


AEB Post Combustion CO2 Capture (PCC) Plant I&C System Block Diagram



Notes:-

- 1 It is assumed that plant Unit's 4/6/10 & 11 instrumentation field signals are connected to the New ABB 800xA control system as per the new proposal.
2 MPHW - Multi Pair/Core Hard Wired Cables
3 Plant unit's 7-9 & 12-13 field instrument and control system yet to be defined. Each plant may have independent PLC based control or it will be directly interfaced to the new ABB 800xA DCS system.
4 SPHW- Single Pair/Core Hard Wired cables between field instruments/valve & DCS JB
5 SPHW- Single Pair/Core Hard Wired cables between field instruments/valve & ESD JB
6 RIO - remote Input Output
7 ES - Engineering Station OS- Operator Station FO- Fiber-Optic
8 All other Work station and Server requirements as per the process plant systems recommendations (Eg: Historian,AMS,Monitoring screens ect)
9 SAS Network levels defined from level 0 to 4