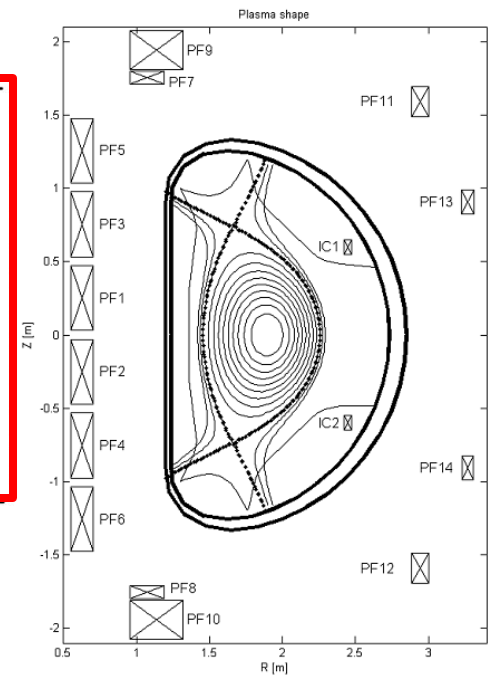
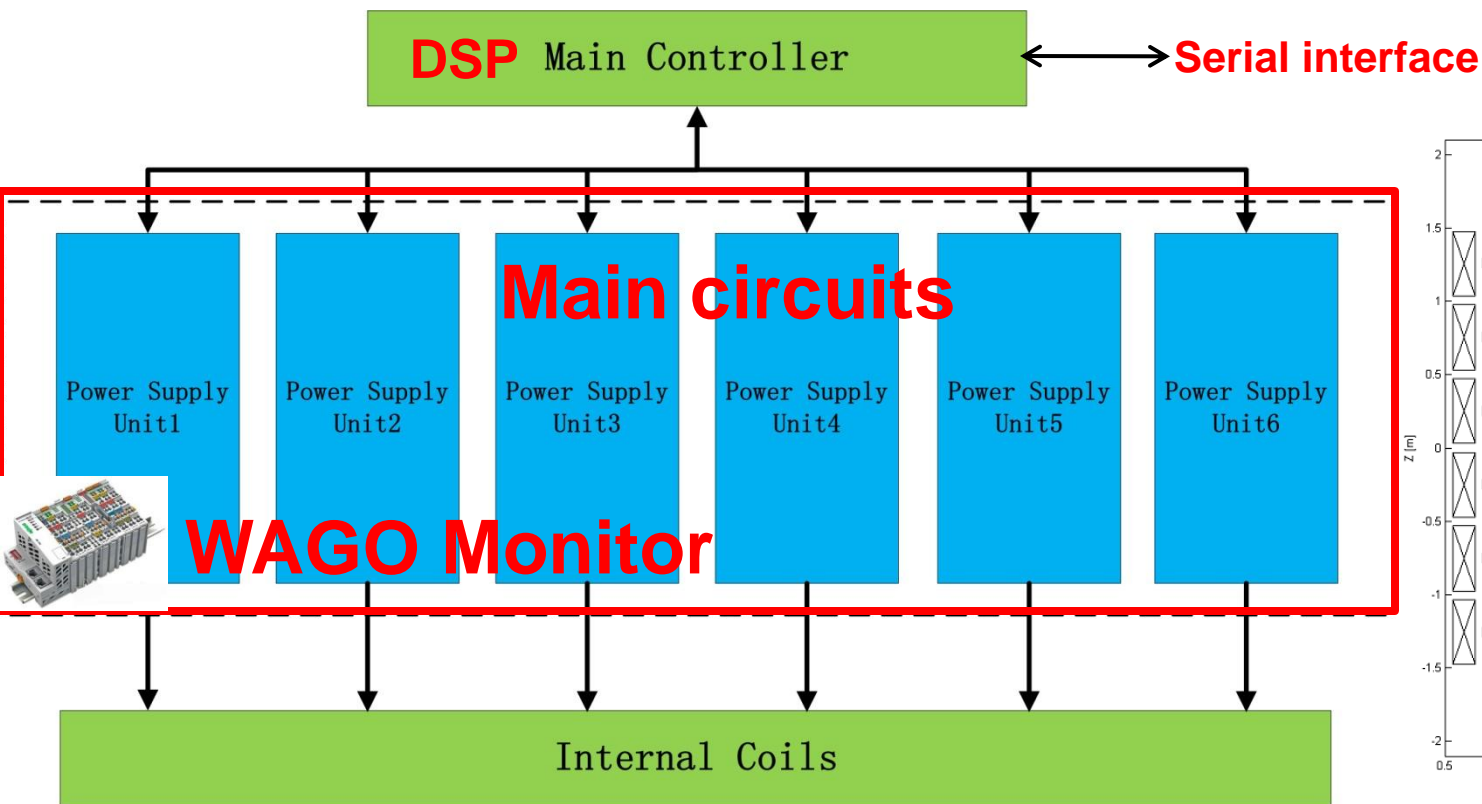


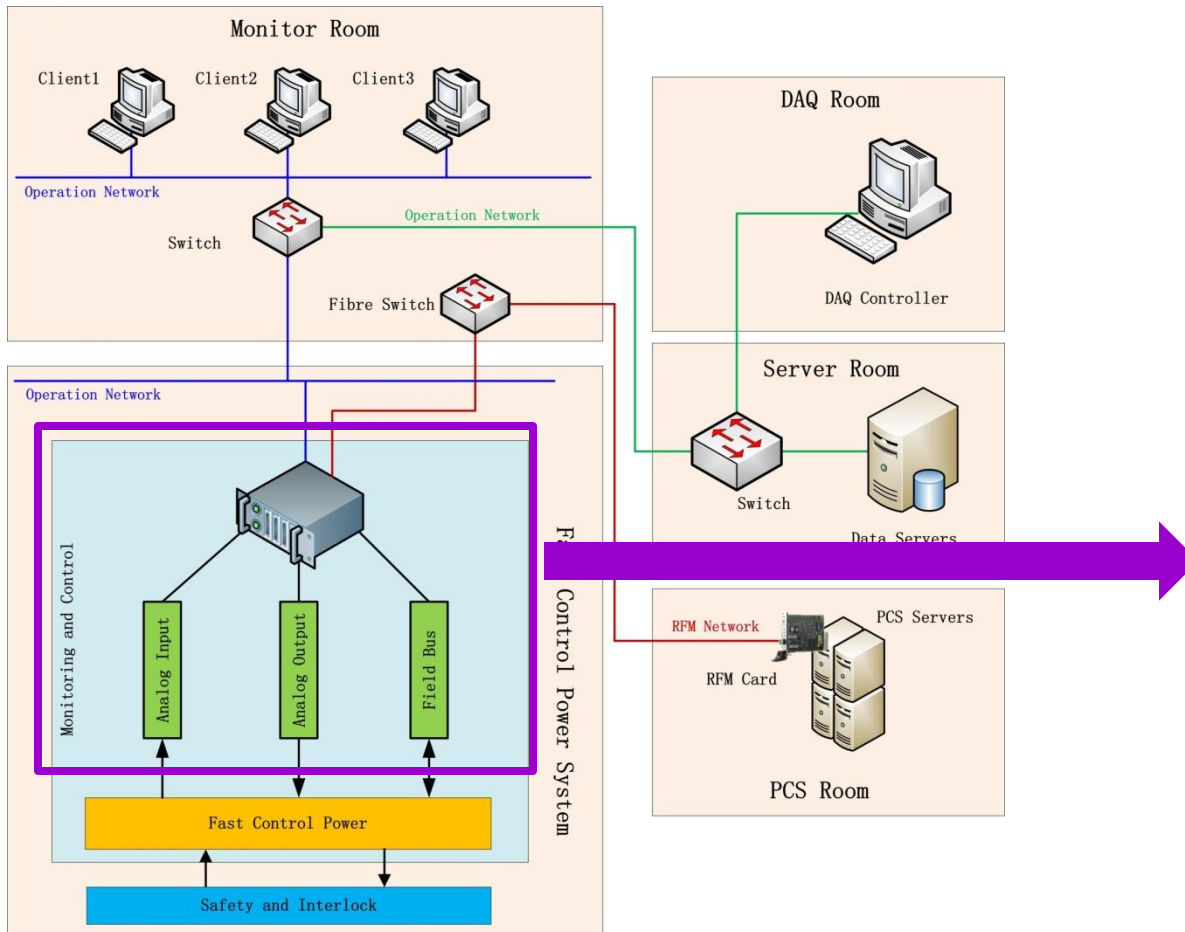
# Development of the EPICS-based Monitoring and Control System for EAST Fast Control Power System

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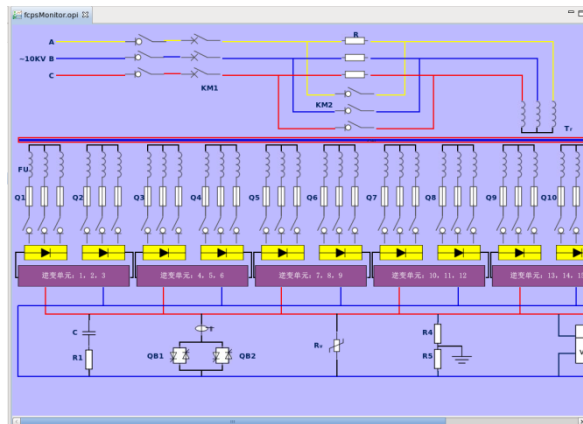
- Fast control power system is used for Internal coils to control plasma vertical displacement.
- composed of the main circuit, and the control and protect section.



- communicate with controller by serial interface, WAGO to monitor the status of power supply and receive commands from RFM
- the whole software is based on EPICS and Linux.



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- the whole software is based on EPICS and Linux.
- CSS is used for developing human interface and alarm interface.



Unit1 Monitoring

Description	支路1	支路2	支路3
断路器	绿色	绿色	绿色
外故障	红色	红色	红色
过温	绿色	绿色	绿色
软起	红色	红色	红色
直流母线过压	绿色	绿色	绿色
AC输入过压	绿色	绿色	绿色
直流母线欠压	红色	红色	红色
系统故障	红色	红色	红色
电压反馈	0.000	-0	-0

VOLTAGE\_MODE

START

Main Controller			Unit Controller		
Description	Status	Controller	Description	Status	Controller
控制模式	电压模式		Unit 1	绿色	RESTART
输出正过压	绿色	绿色	Unit 2	绿色	RESTART
输出负过压	绿色	绿色	Unit 3	绿色	RESTART
输出过流	绿色	绿色	Unit 4	绿色	RESTART
反时限保护	绿色	绿色	Unit 5	绿色	RESTART
没准备好	绿色	绿色	Unit 6	绿色	RESTART
控制器故障	绿色	绿色			

IPM Status		
Description	Status	Controller
IPM 1	绿色	RESTART
IPM 2	绿色	RESTART
IPM 3	绿色	RESTART
IPM 4	绿色	RESTART
IPM 5	绿色	RESTART
IPM 6	绿色	RESTART

