

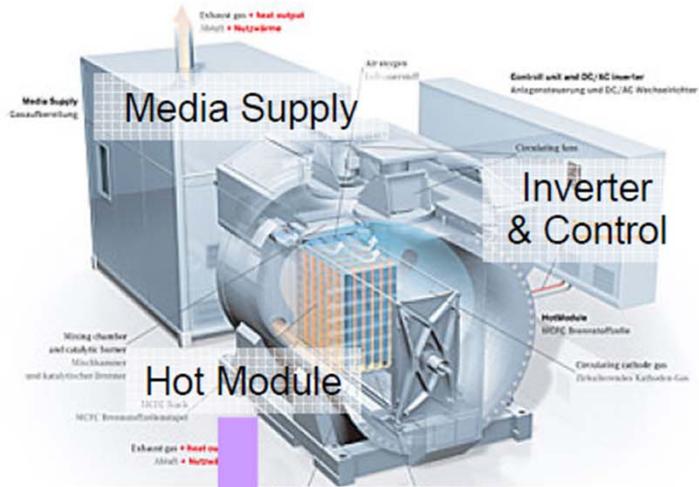
연료전지-가스터빈 하이브리드 시스템 개발

연료전지 시스템 최적화 기술 (4)

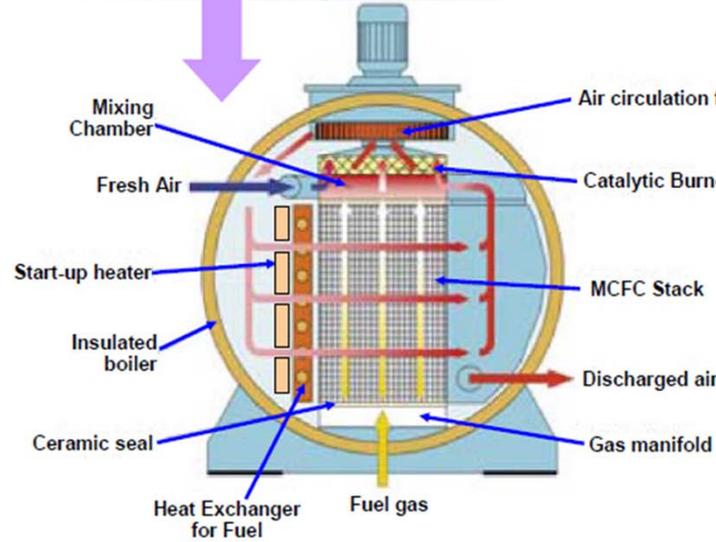
2014. 하반기 IP (4)



❖ On Site Energy (MTU) 250kW-class MCFC System

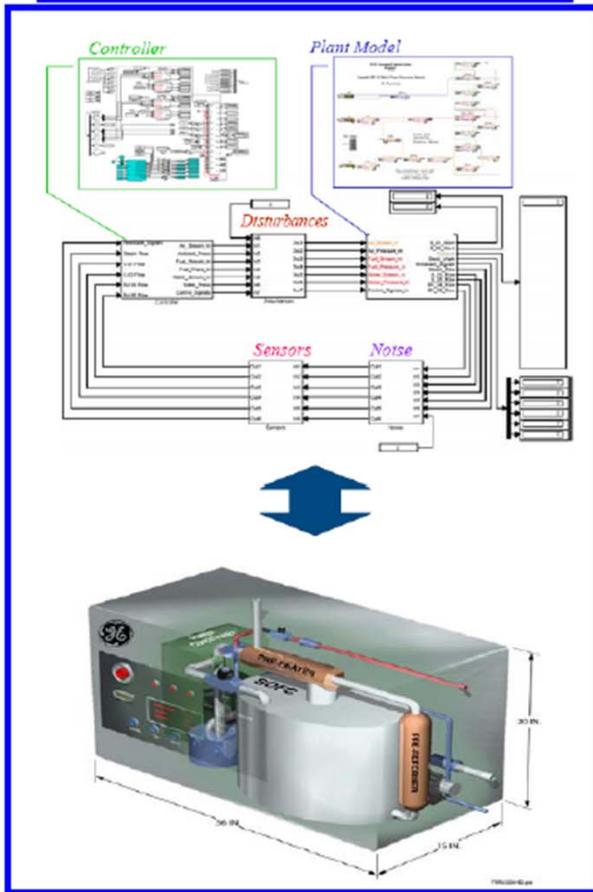


- MCFC HotModule
 - MCFC stack/Catalytic burner/Circulating Fan/ Mixing chamber/Start-up heater/HEX
- Media Supply Module
 - Desulfurization/Heater/Humidifier/Pre-reformer
- Inverter & Control Module
 - Inverter/Grid Connection/Control Part



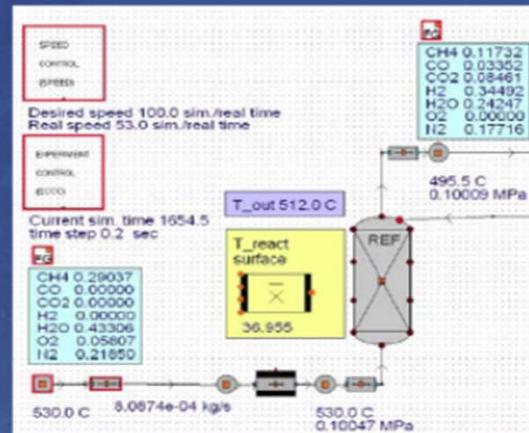


GE, USA SOFC Control System Design

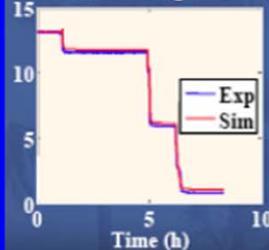


SOFC VTT, Finland Wartsila Co. FC Program

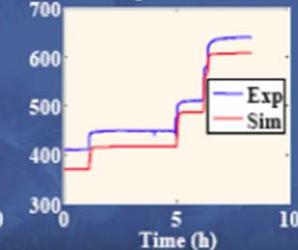
Modeling (Abstract #61, poster)



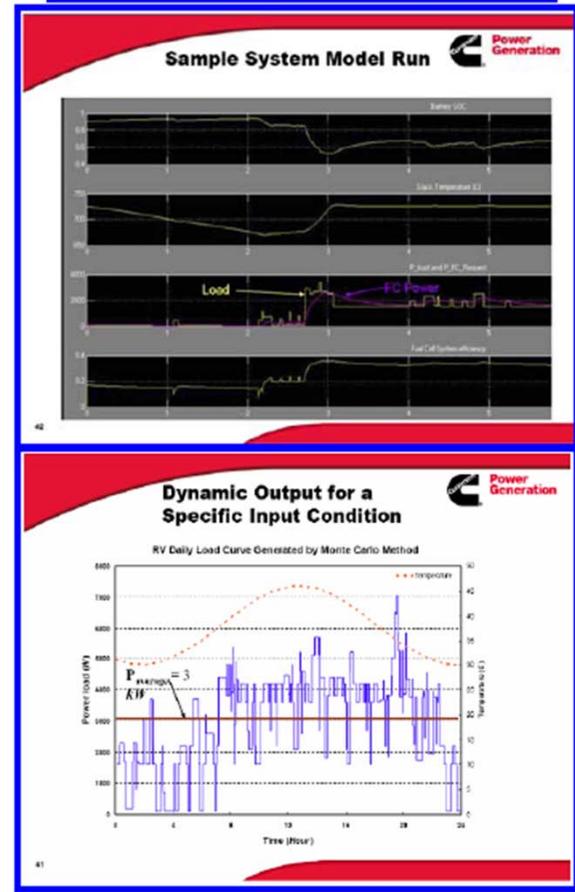
Reformer outlet methane mass flow (g/min)



Reformer outlet temperature (°C)

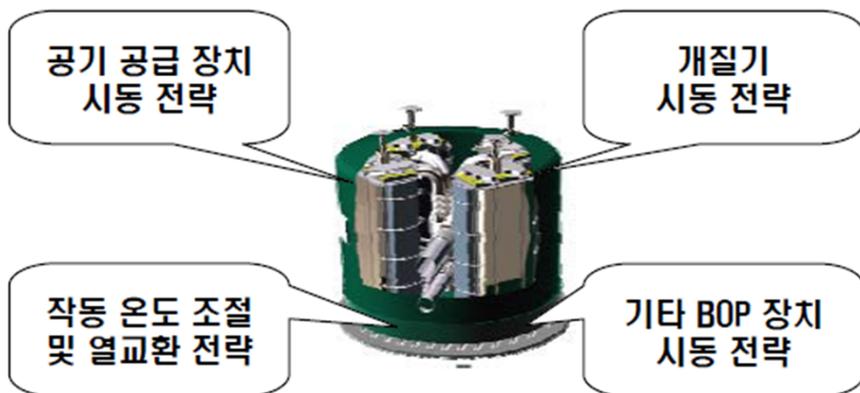


Cummins Power Generation SOFC System For APU





연료전지 시스템 시동시 안정화 방안 제시

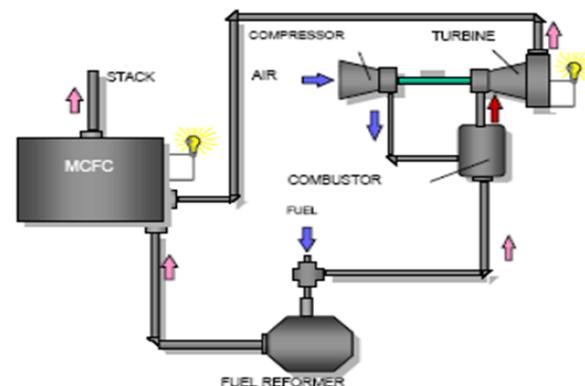


연료전지 시스템 동특성 분석 및 제어로직 수립



King county 1MW Demo Project by FCE

Hybrid System 성능 및 컨트롤 전략 분석



FC Degradation시 운전점 재설정 전략 수립

