

# POUYA

**Power\_system Online\_simulation Unveil Your Analysis**  
A Real Time Simulator



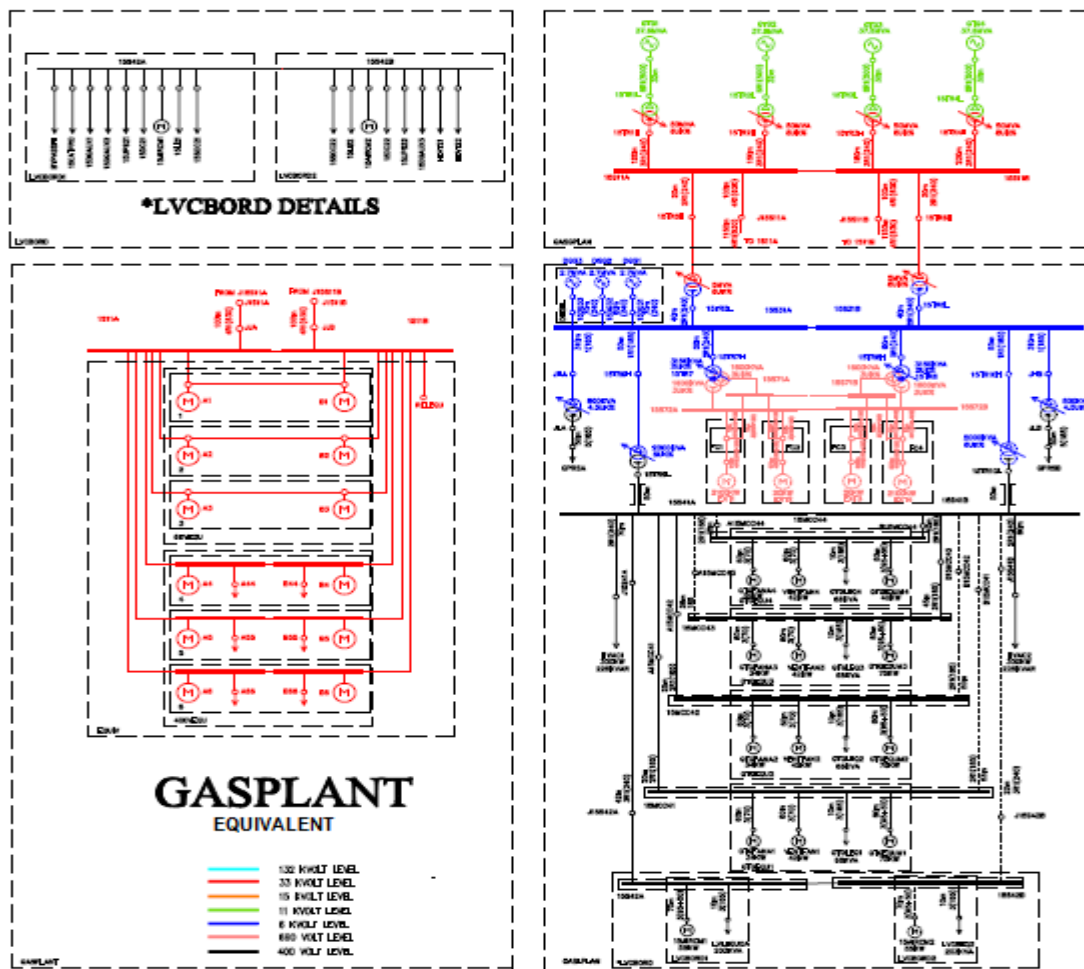
**Examine the behavior of 4\*30MW gas turbines**

Reference: Author experience

WRITER:

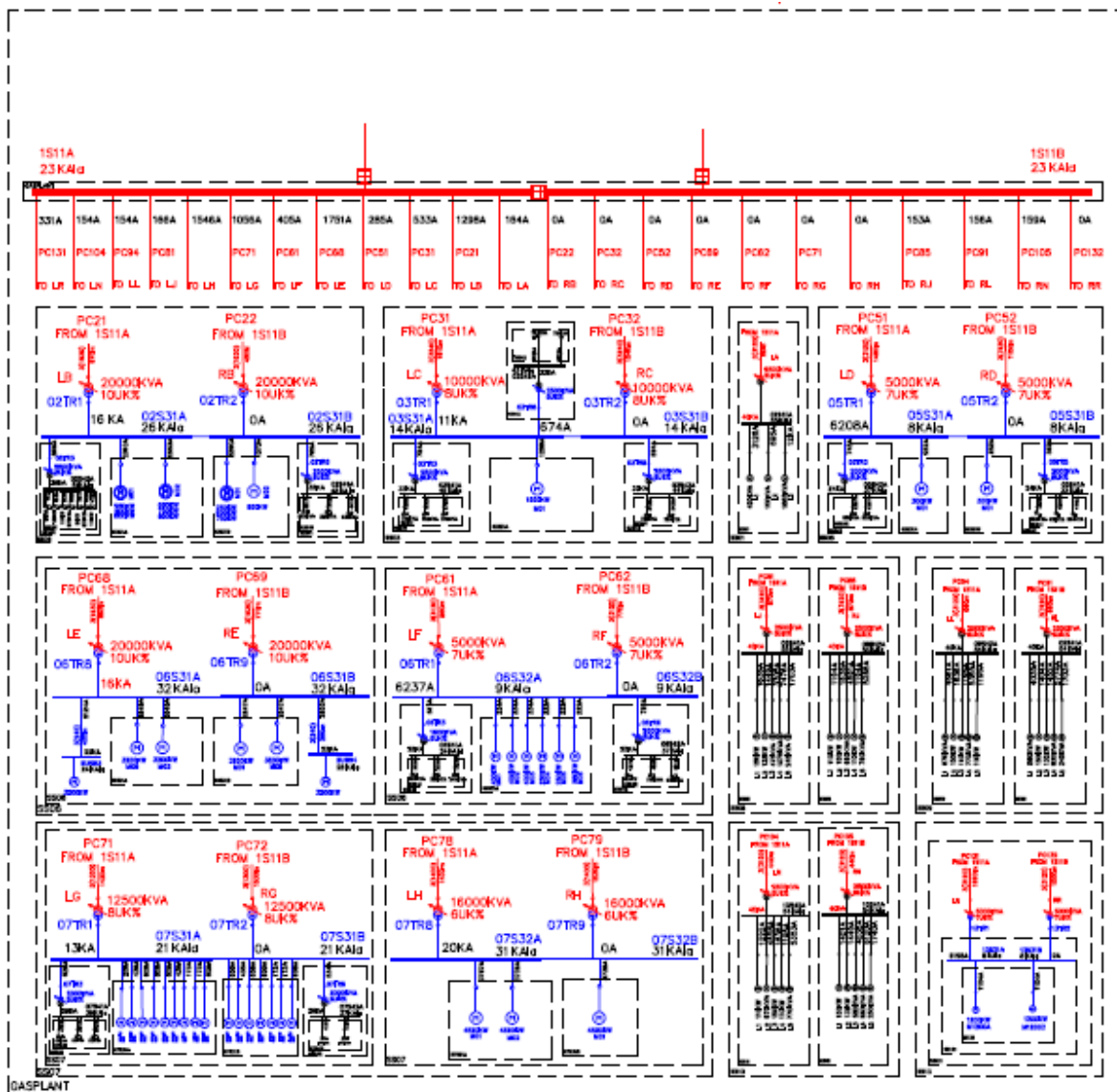
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A power plant feeding an equivalent gas plant



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**GAS plant**



**EXERCISES**

- 1- Bring the network and enjoy running the generators;
- 2- Observe the behaviour of AVR and Governor under operation condition;
- 2- Run automatic generation control (AGC);
- 3- Observe the dynamic of the load under fault condition;
- 4- Observe the exact bus transfer moment;
- 5- Bring the actual system and find out how an equivalent constructed for the gas plant;
- 6- Register for a related class to find out more.