

«interface»  
PlantStatus

pumpsOn(pumpNumber : int) : boolean  
pumpHasFailed(pumpNumber : int) : boolean  
valvesOpen(valveNumber : int) : boolean  
condenserHasFailed() : boolean  
turbineHasFailed() : boolean

«interface»  
PlantController

changePumpState(pumpNumber : int, pumping : boolean)  
changeValveState(valveNumber : int, open : boolean)  
failPump(pumpNumber : int)  
failTurbine()  
failCondenser()