



## FDS and SCC applications

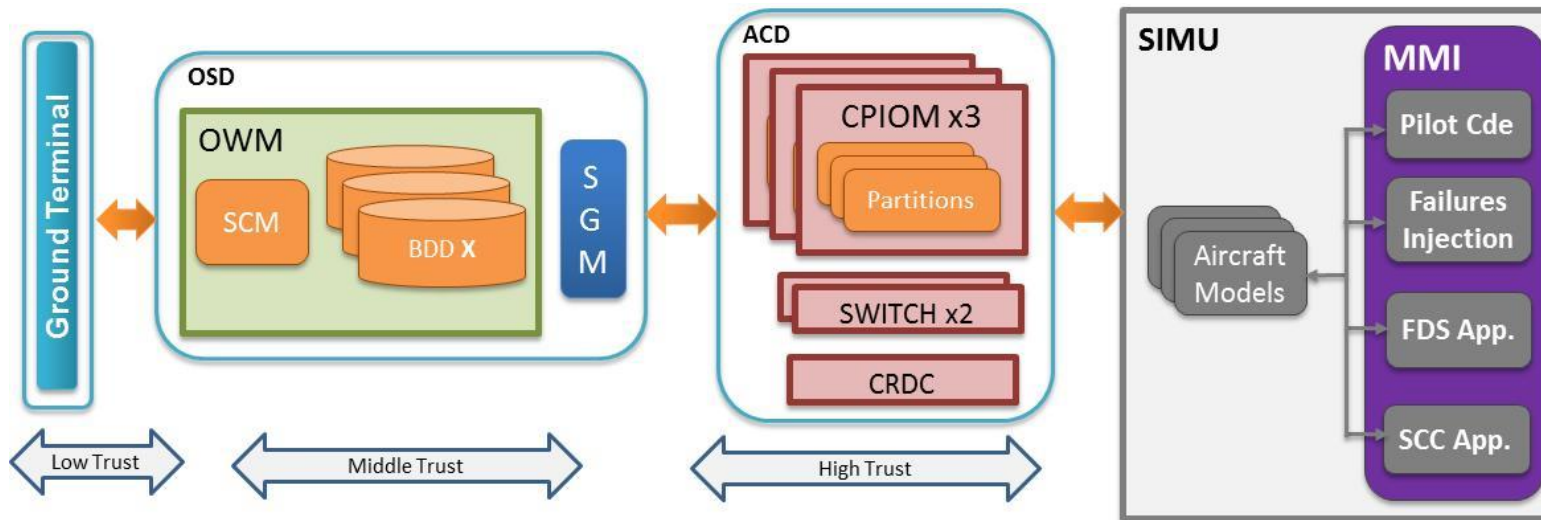
based on configuration tables loaded on OSD.

### Flight Decision Support (FDS)

Display the occurrence of failure with the associated root cause,  
 Help the crew to take a flight decision through synthetic aircraft failure status,  
 Assist in executing the procedure to recover an acceptable aircraft status for the flight,  
 Update the aircraft status after aircraft operational procedure execution.

### System Configuration Controller (SCC)

Display to the crew the occurrence of failure,  
 Display to the crew a list of flight procedures to be executed according to the aircraft context,  
 Manage and control the execution of the actual procedures, involving the crew when needed.



### FDS implementation

Failure computation module and failure filtering module based on aircraft status data,  
 Data base embedding root cause associated to failures,  
 Data base embedding master minimum equipment list,  
 Data base embedding the aircraft operational procedures associated to failures.

### SCC implementation

Failure computation module and failure filtering module based on aircraft status data;  
 Controller managing systems control command resulting from current procedure execution, and involving the crew when needed;  
 Safety path mitigating to the criticality level of the system control command being executed;  
 Data base embedding the aircraft flying procedures associated to failures;  
 Data base embedding safety path mitigation.