

## **CASE STUDY – Testing Cabin Intercommunication Data System (CIDS) –A350**

### **1.0 Project:**

This project was executed for a Global leader Aerospace client.

XPT Resource was deployed to its client's Validation and Integration Testing team to execute testing and verification work of CIDS.

### **Project brief:**

The CIDS-System provides all cabin related functionalities in the Aircraft. To make the cabin layout easy to change, the CIDS hardware has spare circuits, inputs and outputs. These allow the connection of new and additional equipment without any hardware change of CIDS components.

### **Resources Skill Sets:**

<b>Tools</b>	:	LDRA 8.1.1, Tessy 2.54, VSS, DOORS 8.2, RTRT, CCCQ
<b>Standards</b>	:	DO-178B, AS9100, DOD- 2167A, MISRA –C
<b>Operating Systems</b>	:	RTOS (VxWorks), Windows 2000/XP
<b>Protocols</b>	:	MIL-STD-1553B, RS-232, RS-422, RS-485.

### **2.0 Project execution: Work done**

- ✓ Writing Software Test Cases from Software Requirement Document
- ✓ Writing Test Cases and Test Procedures
- ✓ Test Procedures generation and Delivery process
- ✓ Various components (TLA's) Handled
- ✓ Test Review and Code analysis.
- ✓ Documentation and Review of Documents

### **3.0 Summary:**

Project has been successfully completed and all the milestones have reached on scheduled time.