**Case Study – Aircraft Fire in the Hangar During Maintenance**

Consider the following event and create a Barrier List as to why this even could not happen in your facility related to the following:

* Emergency Response Preparedness
* Manpower Competence
* General House Keeping Procedures
* Fire Response Availability - Fire First Responder Training



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An Airbus A300B4-622 aircraft had been flown to xxxxx for a C Check maintenance input with an MRO,

During this maintenance input, a fire broke out in the cabin.

Firefighters extinguished the fire but got not prevent the cockpit and the cabin area of the aircraft to be (nearly) completely destroyed.

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The probable cause for the fire was either one or a combination of the following factors:

* Electrical Spark
* Faulty lighting causing a spark
* Electrostatic discharge from paint spraying equipment

Several contributory factors have been identified they were:

* The interior of the aircraft was being painted; this could have caused flammable vapors to collect (in certain areas).
* The fire could spread easily as there were only a limited amount of fire extinguishers available.
* There were (used) paint cans, rags, plastic (polythene) sheets and chemicals inside the fuselage which probably exacerbated the fire.
* Company standards and company procedures were possibly not followed by staff working in or on the aircraft.