

# AIOBCT – Project for ESA

- Question Answering System.
- Populated with knowledge of two subsystems of **Columbus Operations Manual**:
  - ◆ **EPDS** – Electrical Power Distribution System
  - ◆ **MSM** – Mechanical Structure and Mechanisms
- Supports the following kinds of questions:
  - ◆ What is
  - ◆ What is the value
  - ◆ Where is
  - ◆ Yes/No question - where
  - ◆ How many
  - ◆ View
  - ◆ How to execute
  - ◆ Which telemetry is available
  - ◆ How related
  - ◆ What is the interface of
  - ◆ What are the available commands
- A prototype Topic Map engine supporting



Columbus - Europe's laboratory on the International Space Station (Courtesy of ESA)

**Question**

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**Question:** what is the device which is located in d2

**Formal Representation:** `what_is ([device] host-location ([d2]))`

**Answers:**

**pdu-1 - power distribution box 1** (also known as **PDU1** or **power distribution unit 1**) - is a sort of **power distribution box**.  
The PDU1 is the first PDU of Columbus.

Source: Columbus Electrical Power Distribution System