



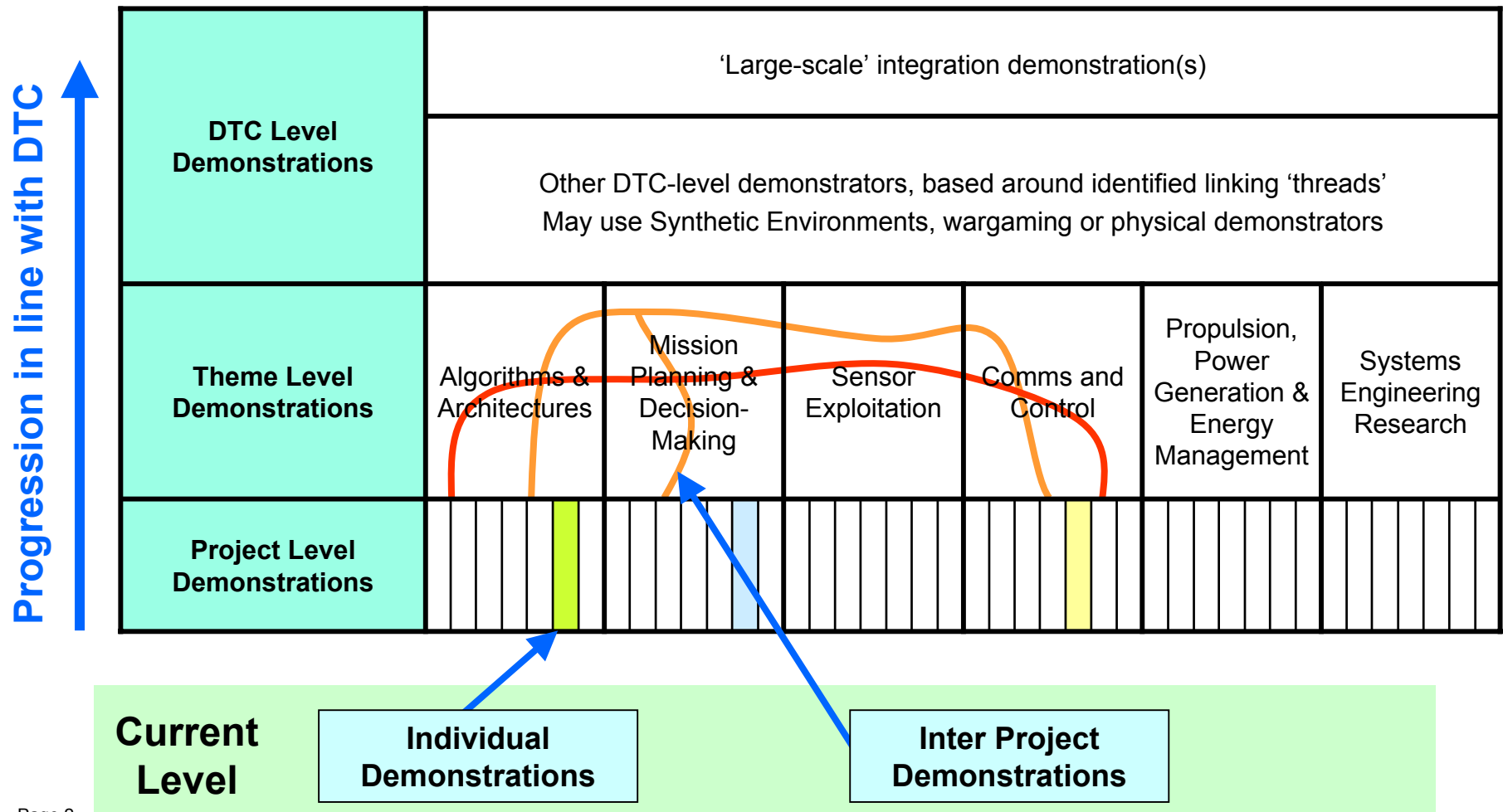
# SEAS DTC – Technology Demonstrations



# DTC Demonstrations Strategy



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- There are numerous demonstrations planned at the theme and project level
- They are going to take place in the presentations, the Friday lunchtime break and in the SEAS DTC Plenary sessions
- A programme of exact timings will be available in the registration pack
- Several large vehicles will also be on display which are intended for large scale demonstrations ('Large Scale') later in the DTC life span



- An example of the range and breadth of the project demonstrations is detailed below:
  - Oxford University SLAM robots (Hardware Demonstration)
    - Oxford have several hi tech robots for self localisation and mapping activities which they will present
  - Waterfall Solutions will undertake Software Demonstrations
    - Waterfall will show interactively the types of uses their developed toolboxes might have
  - Roke Manor will undertake a robot Demo
    - Roke will use a vehicle to demonstrate their visual tracking algorithms live in an arena at the conference centre
  - Qinetiq intend to have a synthetic environment showing some of their research
    - Qinetiq will show their task scheduling research at work in a simulated situation involving organising multiple flying vehicles

- There are two planned vehicle exhibits in the Strathblane Hall
  - Two actual vehicles
    - BAE ATC Bowler vehicle known as 'ATC Wildcat'
    - BAE UWS recently declassified 'Talisman'
- While none is currently used by the DTC, they have been identified as vehicles that are intended to be used in our large scale demonstrators in subsequent years

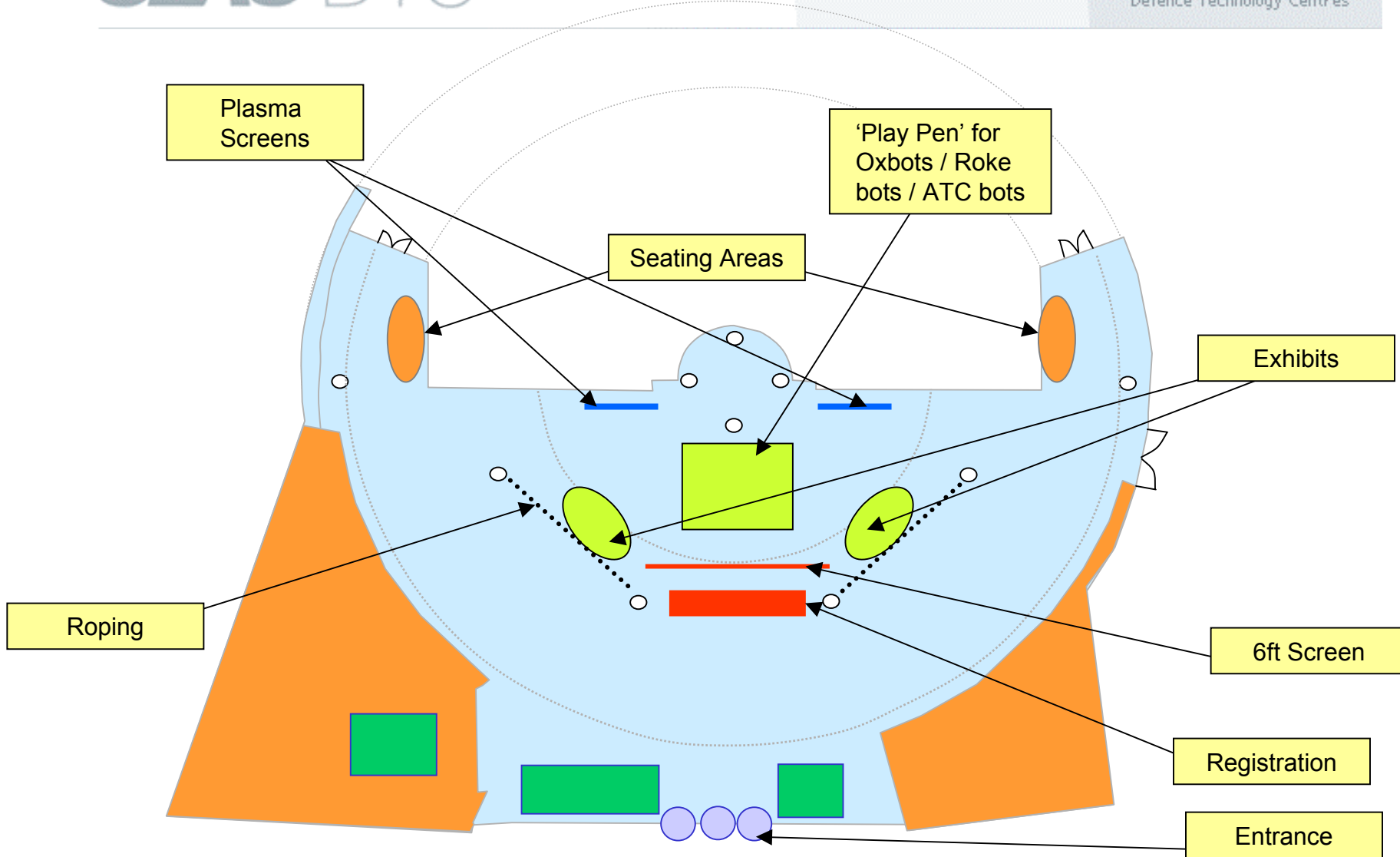


# Exhibit Plan (Strathblane Hall)

# SEAS DTC



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- Three synthetic environment 'animations' have been developed to inform the researchers of the type of challenges that SEAS DTC hope to accomplish
- They have another purpose of forming the basis for future synthetic environments for the testing of algorithms
- A fourth synthetic environment will, time permitting, allow a human to interact with a proposed autonomous system in order to demonstrate the autonomy that the DTC is trying to promote