



LONGOPS RESEARCH & DEVELOPMENT OPPORTUNITIES

Supplier Engagement Event – 24th June 2021

UK Atomic Energy Authority

This work has been funded by the UK Government Department for Business, Energy & Industrial Strategy. No part of this presentation may be reproduced without permission. To obtain further information on the data and models underlying this work please contact PublicationsManager@ukaea.uk

Development of Architecture and Standards

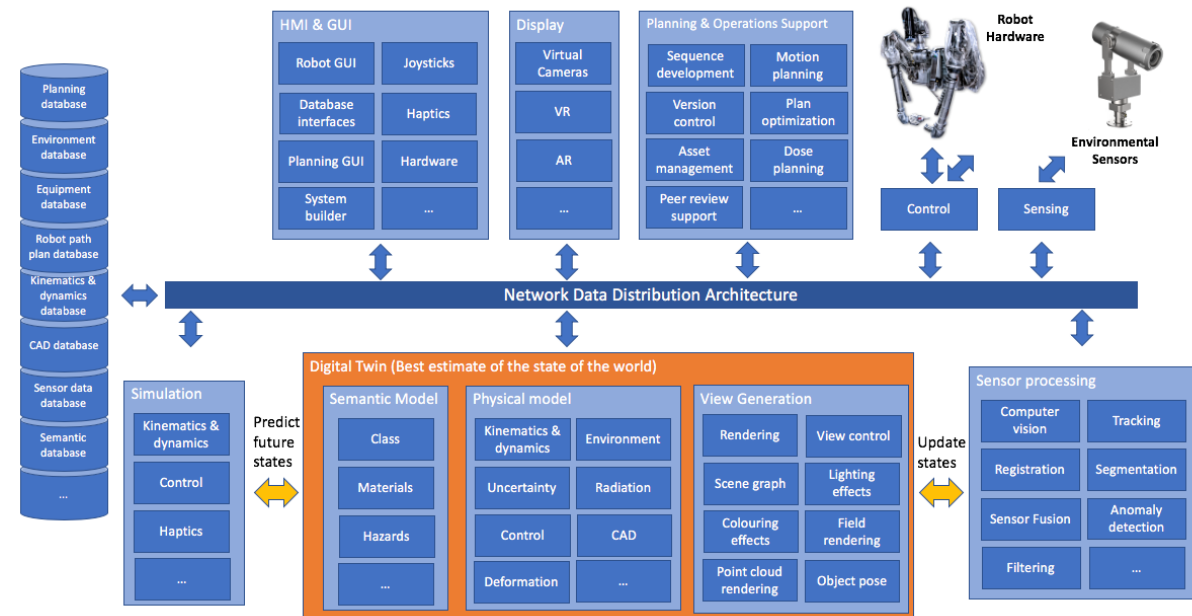
Ipek Caliskanelli (WP3.1 Lead)

Total Budget	Estimate Tender Publication	Estimate Contract Duration
~£1M	July 2021	September 2021 – August 2023

**For any questions please email:
enquiries@longops.race.ukaea.uk**

WP3.1 – Architecture and Standards

- The RACE team is working on
 - Establish required functionality for Digital Twin-based system for training remote operations teams
 - Identification of COTS modules to deliver key functionality
 - Address gaps in technology/requirement areas through targeted research and development activities



WP3.1.2 – Generic architectures and interfaces for interoperable robotics software and communications

The main objective of this workstream is to investigate the adequacy of the existing open standards and open architectures, define and create new ones, and inform the standardised interfaces of the sub-systems for the NG-DMU software.

Desired skills:

- Interoperable Open Architecture (IOA)
- Open standards
- Generic Vehicle Architecture (GVA)
- Software characterisation
- Software interface and integration agility
- Software quality measurement

A portfolio of successful projects, grants awarded and a collection of publications on these fields is expected to be provided.