Trusted Autonomous Systems

Autonomous Systems - Research and Industry

Smart, Small & Many

Trusted Autonomous Systems is Australia's first Defence Cooperative Research Centre and is uniquely equipped to deliver world-leading autonomous and robotic technologies to enable trusted and effective cooperation between humans and machines. Our aim is to improve the competitiveness, productivity and sustainability of Australian industry.

Trusted Autonomous Systems, together with its participants and the Department of Defence, is developing the capacity of Australia's defence industry to acquire, deploy and sustain the most advanced autonomous and robotic technology.

KEY PARTICIPANTS

- Australian Defence Force and Defence Science & Technology
  - Projects building capability for each ADF service
- Queensland Government
- Partnered with Defence Primes on Projects:
  - Boeing – Cognitive Intelligence, Surveillance, Reconnaissance
  - BAE Systems – Trusted Autonomous Ground Vehicles for EW
  - Thales – Mine Countermeasures in a Day
- Range of SMEs
  - DefendTex – Trusted Scaleable Search with Expendable Drones
  - Consunet – Distributed aUtonomous Spectrum managementT (DUST)
  - Skyborne Technologies & Cyborg Dynamics – Justified UAS Effects (Athena AI)
- Universities
  - UQ, UNSW, UoS, WSU, UoM, RMIT, UoA, UTS, Flinders.
- SmartSat CRC
- Current Example Project – High-Altitude Pseudo Satellite (HAPS)Challenge
  - RMIT, SmartSatCRC, RAAF Air Warfare Centre
  - https://www.rmit.edu.au/defence-aerospace/haps-challenge

CAPABILITIES

- Fostering world leading autonomous and robotic technology
- Advancing trusted and effective cooperation between humans and machines
- Linking industry and researchers to create game-changing capabilities for Defence

DISCRIMINATORS

- Unique Ethics & Law, Assurance of Autonomy support to projects

CONTACT/ADDRESS DETAILS

Brisbane-headquartered
www.tasdcrc.com.au
info@tasdcrc.com.au

Member of Defence Industry Security Program (DISP)