



TAMPERE FINLAND
AUTOMOTIVE & VEHICLE
TECHNOLOGY CLUSTER

Intelligent Solutions for Off-Road Vehicles

ADVANCED ENGINEERING



MACHINE CONTROL



INTELLIGENT TYRES



INTELLIGENT MANUFACTURING, AUTOMATION



CONNECTIVITY, POSITIONING, IOT



PRODUCTS & COMPONENTS



ELECTROMOBILITY



DIGITAL SOLUTIONS



ACADEMIA & RESEARCH INSTITUTES



Why meet the Tampere off-road vehicle technology delegation?

One meeting provides access to complementary capabilities for demanding mobile machinery programmes

OFF-ROAD TECHNOLOGY BREADTH

- Machine control, automation and autonomous operations
- Powertrains, hydraulics, components and specialised manufacturing
- Connectivity, positioning, industrial Internet of Things and fleet data
- Electromobility, charging, batteries and energy management

RELEVANCE TO DEMANDING MACHINERY

- Engineering for construction, mining, forestry, agriculture and material handling
- Solutions for harsh environments, safety-critical systems and long duty cycles
- Testing, simulation and digital engineering for complex machine platforms
- Research and development links across companies, universities and institutes

A focused way to identify partners for productive, safe and sustainable machines.

What could UK off-road vehicle companies gain?

The delegation is positioned for practical technical and commercial discussions, not generic introductions

IMMEDIATE VALUE

- Access to specialist suppliers, engineering partners and technology developers
- New options for machine subsystems, software, controls and production technology
- Cross-industry expertise from Finland's mobile machinery ecosystem
- Direct dialogue around product roadmaps and difficult engineering challenges

POTENTIAL FOLLOW-UP

- Joint proof-of-concept or demonstrator for a defined machine use case
- Technology benchmarking, testing or integration study
- Supplier, distribution or international customer discussions
- Longer-term research and development cooperation with the Tampere ecosystem

The aim is to find the strongest technical match and define a realistic next step.

Examples for machine intelligence and control discussions

Selected companies illustrate capabilities in power, control, autonomy and machine integration

POWERTRAIN TECHNOLOGY

AGCO Power

- Powertrain expertise for demanding mobile machinery
- A natural discussion point for powertrain development and machine integration
- Relevant to agricultural and other heavy-duty machinery programmes

MEETING VALUE Powertrain roadmaps, integration and demanding duty cycles

MACHINE CONTROL

Epec

- Control systems, electrification and machine software
- Relevant to safety-critical and harsh-environment mobile machinery
- Potential contribution to modular machine architectures

MEETING VALUE Control architecture, electrification and system integration

AUTONOMOUS MOBILE MACHINES

GIM Robotics

- Autonomy, perception and machine-intelligence expertise
- Applicable to industrial and off-road operating environments
- A suitable partner for controlled pilots and demonstrators

MEETING VALUE Autonomy, robotics and proof-of-concept development

Examples for electrification, digitalisation and industrial performance

Selected companies connect energy, data and productive machinery operations

ELECTROMOBILITY

Kempower

- Scalable charging concepts for electric machinery and fleets
- Potential focus on charging in industrial operating environments
- Relevant to depot, fleet and high-utilisation operations

MEETING VALUE Charging strategy, fleet operations and scalability

CONNECTIVITY AND DIGITAL SOLUTIONS

Wapice

- Connected machines, industrial Internet of Things and data platforms
- Potential themes include remote services and fleet visibility
- Supports lifecycle services and data-driven operations

MEETING VALUE Connected machines, data utilisation and digital services

INTELLIGENT MANUFACTURING

Fastems

- Flexible production and manufacturing automation
- Relevant to complex, high-mix component production
- Potential to improve utilisation, productivity and production flow

MEETING VALUE Production automation, flexibility and manufacturing productivity