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	Remote Disruptor Platform	Command Console	REACHER	R-EVOLVE	
					
Reamda Ltd. Tralee, Kerry, Ireland					

REAMDA

- **Topics of interest**
- 2.1.1. Topic EDIDP-CBRN-DEWS-2020 – Capabilities for CBRN risk assessment, detection, early warning and surveillance
- 2.12. Call EDIDP-SME-2020 – Innovative and future-oriented defence solutions
- **Contact**
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www.Reamda.com



ABwipe™- How it Works

There is **NO** solution for safe, effective and environmentally friendly decontamination from bioagents - until now!
All pathogens or biotoxin must bind to human tissue to be effective – ABwipe has extremely strong binding agents that lock the harmful material to the wipe

ABwipe works on almost all harmful biological forms

Toxins

- Ricin/Abrin
- Botulinum toxin
- Cholera toxin
- Shiga-like toxin

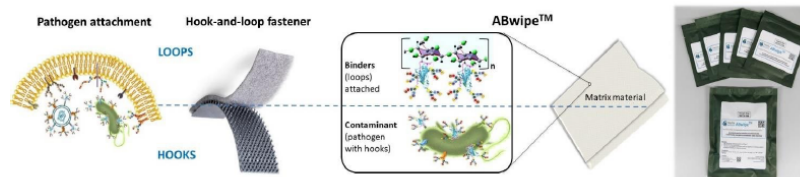
Bacteria

- Vegetative
- Biofilm
- Spores

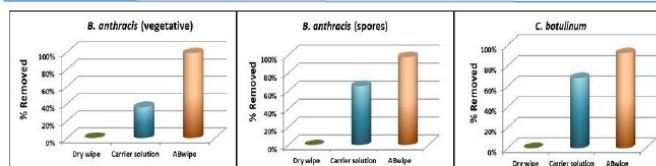
Viruses

- Influenza virus
- Hanta virus
- Ebola/Marburg virus
- Zika virus
- Coxiella (Q fever)

The solution is applied to a wipe and acts like a Velcro on the pathogen



Independently proven to be significantly more effective than other solutions



Decontamination of *B. anthracis* and *C. botulinum* by ABwipe™ on non-porous surfaces

Aquila Bioscience

- Topics of interest
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- 2.12. Call EDIDP-SME-2020 – Innovative and future-oriented defence solutions
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Our Mission

To enhance mission readiness and operational advantage by automatically assessing communication performance and team dynamics, **in any language**.

VOCATIO
communication dynamics

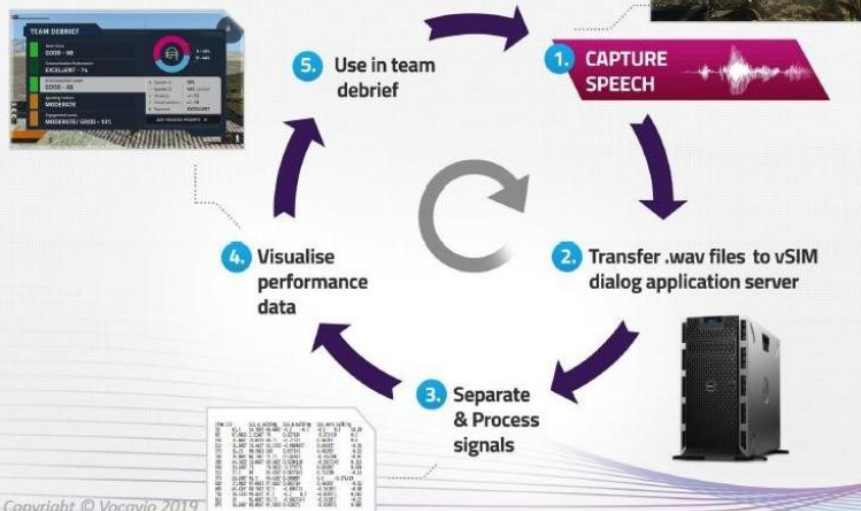
SIMULATOR

SYNTHETIC

EMBEDDED

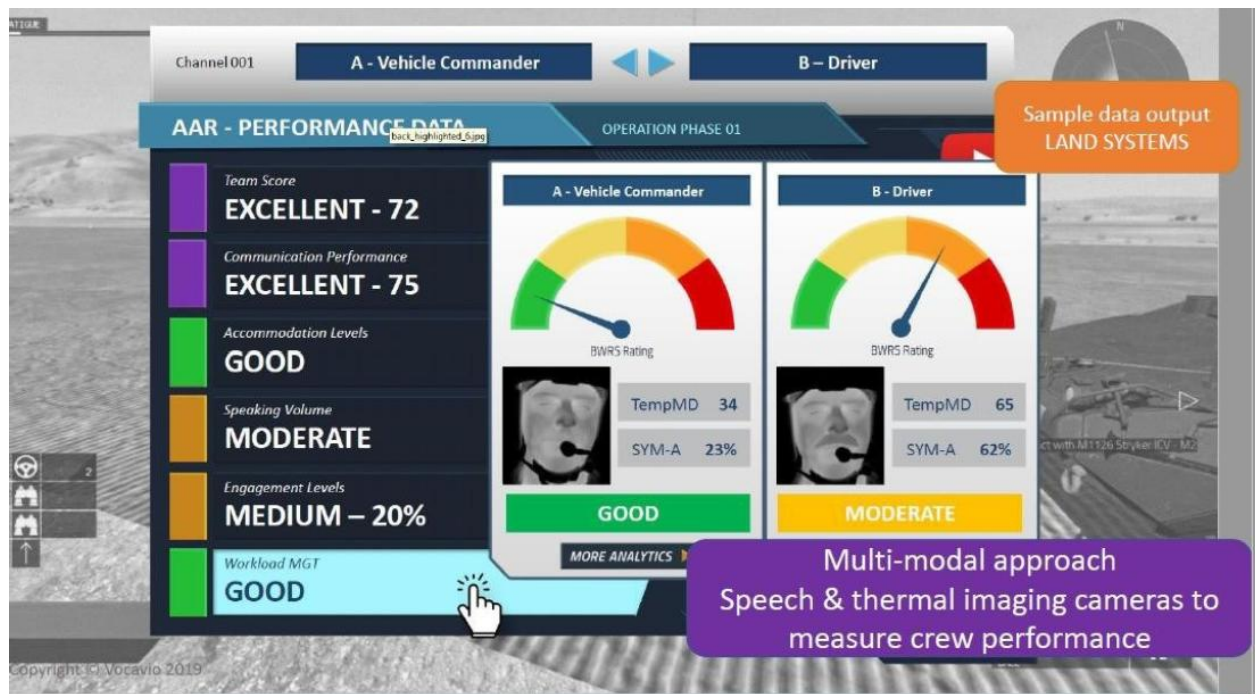
HOW DOES IT WORK?

VOCATIO
communication dynamics



We separate speech communication and speech signals to determine levels of accommodation, energy and interaction. We generate data relating to communication performance during the task. We specifically focus on examining accommodation levels in pitch, rhythm, tone and energy.

Copyright © Vocatio 2019



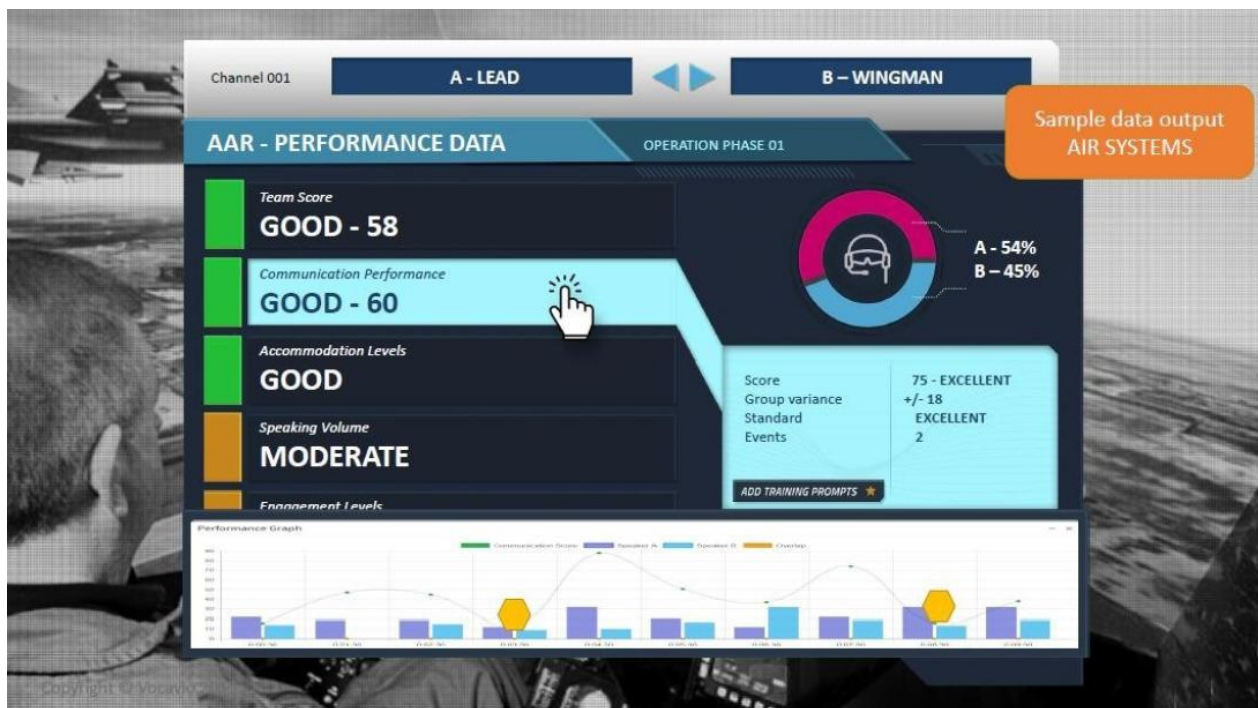
Tactical jet training

VOCAVIO
communication dynamics

The brief was to process radio communications from two fast-jet pilots training for high workload emergency situations, on the Vocavio speech analysis software platform.



Copyright © Vocavio 2019



Vocavio-Communication Dynamics

- Topics of interest

- 2.10. Call EDIDP-SVTE-2020 – Simulation and virtualisation tools and equipment for training, exercises, systems design, development and integration, testing and validation
- 2.11. Call EDIDP-AI-2020 – Defence technologies supported by artificial intelligence
- 2.12. Call EDIDP-SME-2020 – Innovative and future-oriented defence solutions

- Contact

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- www.vocavio.com

- About us

- Provide AI based speech analytics software into the simulation and training industry (aerospace/defense)
- We have developed and patented a new method to grade speech communication of persons operating in unpredictable high-stress high-workload environments e.g. pilots, surgeons, soldiers.



NSC - National Space Centre Ireland

- Irelands only Commercial Teleport
- Europes Most Westerly Teleport
- Mid Atlantic Location
- Independant Private Teleport
- Neutral Country



National Space Centre

- **Topics of interest**
- 2.5. Call EDIDP-SSAEW-2020 – Space Situational Awareness (SSA) and early warning capabilities
- 2.6. Call EDIDP-MSC-2020 – Maritime surveillance capabilities
- 2.12. Call EDIDP-SME-2020 – Innovative and future-oriented defence solutions

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Timoney Technology

IDA Technology Park, Navan, Co. Meath

Expert in Heavy Vehicle Ride & Handling

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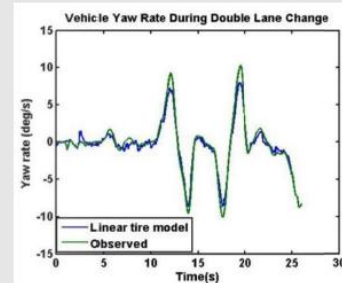
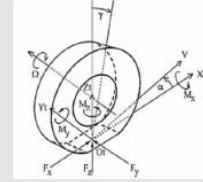
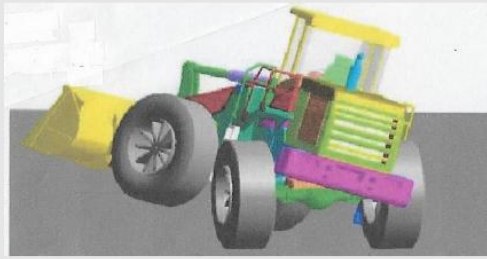
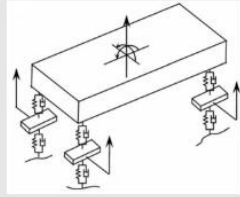
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Introduction

- **Founded in 1967**
- **Located in Navan, Co. Meath**
- **Serving Defence, Construction & Mining & Fire Sectors**



Expert in Heavy Vehicle Ride & Handling



Defence Vehicle Programmes



Bushmaster (Australia)



Bronco/Warthog (Singapore/UK)



Terrex (Singapore)



Tigon (South Korea)

Defence Vehicle Programmes



T900 Independent Suspension



SAIC for USMC ACV Program



Lockheed Martin ACV



Land 400 Sentinel Rolling Chassis

Unmanned Vehicle Programmes for DARPA & USMC



Autonomous Platform Demonstrator (APD)



Gladiator TUGV



Crusher UGCV

Customers



Timoney Technology

- Topics of interest
- 2.8. Call EDIDP-GCC-2020– Ground combat capabilities

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Klas Telecom – The Connected Battlefield



Today's battlefield has evolved into an extremely complex and connected environment. Warfighters need to access critical information across multiple domains as they are not able to remain and operate in a single environment.

Historically, these demands have resulted in the warfighter having to transport, carry and operate multiple, large, complex and disparate systems, which costs time, money and valuable personnel resources. To combat this, Klas Telecom Government has devised the Voyager Virtual Multi-Enclave System (VMES).

Klas Telecom

- **Topics of interest**
- 2.4. Call EDIDP-CSAMN-2020 – Cyber situational awareness and defence capabilities, defence networks and technologies for secure communication and information sharing
- 2.6. Call EDIDP-MSC-2020 – Maritime surveillance capabilities
- 2.12. Call EDIDP-SME-2020 – Innovative and future-oriented defence solutions
- **Contact**
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Klas Telecom Government's deployable communications systems deliver unparalleled capability to the user and serve to connect the battlefield in ways never possible

Product Design And Configuration



Fielding And Training



A Dedicated Customer Service Team

24/7/365 Technical Support



Network Management



Solutions Development

A-techSYN
UNMANNED AERIAL SYSTEMS



CGT50 NEXT GENERATION HYBRID VTOL UAV



A-techSYN

Product Offerings

A-techSYN
UNMANNED AERIAL SYSTEMS



CGT Series VTOL
UAV

UAV Sub-Systems

Training



CNG Series Target
Drones

MRO Services

Flight Services



Flight Controller

Optimization of
Systems to
Customer specific
CONOPS

Integration of UAS
to or with existing
Infrastructure and
Equipment



Ground Control
Software

Alternative Procurement Options
(Leasing / as Service / Purchase)



A-techSYN

CGT50-VTOL UAV

A-techSYN
UNMANNED AERIAL SYSTEMS



VTOL (Runway Independent)



55 Kg Maximum Takeoff Weight, 4.7 m Wingspan



6 Hours Endurance with 5Kg Payload



80 km/h cruise speed



Below Cloud, High Wind resistance, Rain proof



+50 LOS Range, Backup C2 SATCOM option



Handover, mobile GCS, Relay, Swarm ready, CAN network



Very small Carbon footprint



A-techSYN

Key Differentiators

A-techSYN
UNMANNED AERIAL SYSTEMS



%100 In-House Software

Made in EU

Field Experience

Reference Customers

Proprietary IP

Fast and Easy Integration of new Payloads

A-techSYN

- Topics of interest

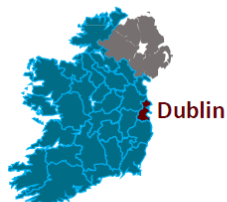
- 2.3. Call EDIDP-CUAS-2020 – Counter Unmanned Air Systems (UASs) capabilities
- 2.6. Call EDIDP-MSC-2020 – Maritime surveillance capabilities
- 2.12. Call EDIDP-SME-2020 – Innovative and future-oriented defence solutions

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AIA security-cleared up to and including 'EU Secret'
Extensive experience in civil security/defence projects (dual-use)
EDIDP 2019 DECISMAR Project Partner (Data Science/Analytics)



Business Profile (1/2)

- Specialists in **added value** advanced data science solutions, delivering **continuous actionable intelligence**
- We **understand the needs** and the value of **critical intelligence** in government.
- Our **team** has significant **expertise working in senior leadership positions** in the government sector and **developing data analytics solutions** for government.
- Partner & data science related **work package leader** in the approved 2019 EDIDP DECISMAR project

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delivering actionable intelligence



AIA security-cleared up to and including 'EU Secret'
Extensive experience in civil security/defence projects (dual-use)
EDIDP 2019 DECISMAR Project Partner (Data Science/Analytics)

Business Profile (2/2)



- Background in **high performance computing analytics solutions** for defence sector use cases :
 - NVIDIA DGX parallel GPU infrastructure (inhouse)
 - Multi-source AI data pipelines
 - Simulation applications
 - Tailored to EDIDP security clearance requirements
- Expertise from a **successful 2019 EDIDP funding application** with PESCO support
- Proven EU project expertise: EDA Force Protection, FP7 Security, H2020 Secure Societies, National R&D projects



delivering actionable intelligence

Topics of interest (matching our profile in government AI and high performance computing data analytics applications)

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delivering actionable intelligence



VRAI

VRAI creates data driven VR simulation training for high hazard environments. Their customers include leading organisations such as Samsung Electronics, the United Nations and IAG Cargo in Heathrow Airport.

VRAI have created HEAT, a Hazardous Environment Awareness Trainer which combines authentic virtual training environments with cutting edge data capture and analytics to improve performance, safety and training outcomes.

HEAT allows organisations whose activities are risky, remote or rare to train in a more authentic, memorable and measurable way.

Authentic | Memorable | Measurable

HEAT
Hazardous Environment Awareness Trainer

VRAI



HEAT HAS 3 MAIN ELEMENTS:

01

ONBOARDING

Create trainee profiles, set training parameters, track and measure progress over time.



02

TRAINING

Practice by doing in a realistic virtual world. Reduce exposure to risk & business disruption, while increasing data capture.



03

ANALYTICS

Receive artificial intelligence powered reports and insights via our cloud based dashboard.



Authentic | Memorable | Measurable

VRAI

◦ Topics of interest

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ICP NewTech



Avenger UGV



Defender 2.1



DV-S



ROVISS

[Design/Development and World-Wide Support of UGV's](#)

ICP NewTech is a fully owned Irish company whose key personnel have over 40 years' experience and a track record in the Design/Development and World-Wide Support of UGVs (Unmanned Ground Vehicles). With over 600 of our UGVs currently in active service world-wide, we offer state of the art technology to our security customers to meet the very challenging and dangerous demands in their daily activities. Our products save lives and are used for humanitarian purposes especially when managing BOMB disposal, Improvised Explosive Devices IEDs, Mine Clearance, and handling hazardous material (HAZMAT).

ICP NewTech

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Thank you



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