NATO OTAN

Allied Command Transformation
Norfolk, Virginia | USA

INNOVATION
NATO OTAN

Think Big
Start Small
Scale Up

AWARE

Situational Awareness Tool for Decision-Makers

IMPROVED OPERATIONAL ENVIRONMENT UNDERSTANDING

ACT Innovation developed Automated Web Analyzer, Raker, and Exploiter (AWARE), to improve situational awareness for Allied decision-makers. Originally designed for the NATO intelligence community, it has the potential to be used for multiple other applications by other NATO entities and national organisations.

AWARE improves operational environment understanding and decision making by aggregating, enriching, and visualising data collected from open sources, facilitated by data science methods including machine learning, natural language processing and advanced analytics.

KEY FEATURES

- Collects information systematically from relevant open sources

- Assesses coherency of collected data

- Identifies and categorizes possible collateral concerns

- Understands patterns of life in order to predict behaviors

- Extracts information specifically related to designated areas from social media and online sources

- Displays this information in an intuitive and easily understandable manner
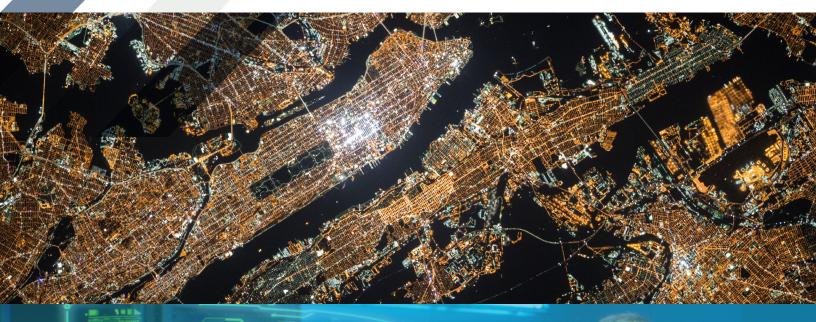
AWARE demonstrates the efficacy of the Open Innovation process. ACT Innovation collaborated with the ACO Air Command's Deployable Air Command and Control Centre (DACCC) to test AWARE and are now keen to further develop its potential and continue to experiment it during exercises. AWARE was successfully tested in a DACCC exercise. AWARE's flexible structure allows further development in order to meet additional NATO and national needs.

TRANSFORMING NATO

ALLIED COMMAND TRANSFORMATION

NATO's Warfare Development Command

Allied Command Transformation defines the future military context, identifying challenges and opportunities in order to maintain a warfighting edge. It ensures maximum interoperability; gives structure and priority to NATO forces through defence planning and capability development; applies innovation to leverage ideas, procedures and technologies to the benefit of our warfare development approaches; and, in all of this, leverages the intellectual horsepower of a large network of industry, academia, military and civilian expertise in nations, in NATO agencies and NATO Centres of Excellence.

Allied Command Transformation is organized around four principal functions:

- Strategic thinking
- Development of capabilities
- Education, training and exercises
- Co-operation and engagement

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