

Introduction



TEL DAT Capabilities in Brief

Veritable Experience...

...Practical Solutions

Introduction

Authorizations, concessions, certificates and implemented procedures



ISO 9001
AQAP 2110
AQAP 2210



Designer and manufacturer of comprehensive and unique systems in the field of: command, control, computer and communication systems



R&D projects for the defense and security



27 YEARS on defence market



Internal Control System



~24000 implemented hardware & software components

~13500 trained users

First level Facility Security Clearance, issued by National Security Service and TEMPEST accredited ICT systems for protection of classified information



SECRET UE/EU SECRET
NATO SECRET

Many thousands of tests as well as many years of extensive use of TELDAT solutions in Poland, during international events, military operations and peace missions



Awards & honors for TELDAT and its solutions

Exercise Support & Tests

NATO CWID 2008-2009 • NATO CWIX 2010-2023 • Multilateral Interoperability Programme (MIP)



Lillehamer
(Camp Jorstadmoen)



Bydgoszcz
(Joint Force Training Center)



Greiding
(Wehrtechnischen Dienststelle für
Informationstechnologie und Elektronik)



Hague
(NATO Communications and Information
Agency / NC3A)



Combined Endeavor 2005-2014 • Bold Quest 2014-2018, 2021-2022



Baumholder



Grafenwöhr



Banja Luka



New Mexico
(White Sands Missile Range)



Texas
(Fort Bliss)



Savannah, Georgia
(Air Dominance Center)



Indiana
(Camp Atterbury)

Authentic Military Experience

Military Contingents



AFGHANISTAN • PAKISTAN • CENTRAL AFRICAN REPUBLIC • CONGO • CHAD • THE BALTIC STATES • BALKANS • KUWAIT • LATVIA • ROMANIA • ITALY • BOSNIA I HERZEGOVINA • IRAQ • LEBANON



JASMINE support of NATO and EU troops in Poland missions

Proven Solutions – Systems (Hardware & Software)

Headquarters Management System for Operational and Tactical Level



HMS JASMINE
mobile data communication platform dedicated for operational and tactical echelons down to battalion. Depending on the needs and existing equipment it can be offered as autonomous solution, in different configurations and versions, e.g. in shelter version, electromagnetically sealed

ICT Nodes in portable and shelter version



ICT Nodes – WTi
latest generation an innovative and high performance military ICT solutions providing modern, network centric and secure ICT infrastructure dedicated to command, control, communication and information system of Polish Armed Forces from division echelon down to battalion, e.g. Polish Mission Network 2.0

Battlefield Management System for Battalion, Company, Platoon & Section



BMS JASMIN
the innovative and comprehensive command and communications on-board systems, designed to tactical and lower echelons, dedicated to all types of vehicles, vessels, aircrafts including military, public services, civil organizations. It can also operate as an autonomous solution



VIS JASMIN
superINTERCOM – the solution constitutes a multiservice hardware and software platform that assures reliable communication, essential services and significantly improves work of all types of vehicles, vessels and aircraft crews in military, public services and civil organizations



Innovative & comprehensive C4ISR solutions • Unique & interoperable System of the Systems

Proven Solutions – Systems (Hardware & Software)

Dismounted Soldier System



DSS JASMINE
autonomous solution which provides ICT platform for soldier / rescuer/ and also the integration and management of its equipment. It provides as well as with the command ability of squad / group of soldier or rescuers, situational awareness, receiving and issuing orders, visualization and reporting

Joint Fires Support System



JFSS JASMINE
the solution is designed to provide exchange of information with fire support systems including aircraft for Joint Terminal Attack Controller (JTAC). The system significantly raises an efficiency of JTAC operations in precise guidance of targets including for aircraft

Command Control Communication & Information System



C3IS JASMINE
software solution – C3I system that enables effective conduct of combat operations and management at all echelons, including individual soldiers or e.g. rescuers. It provides soldiers with the situational awareness of troops or public services. It also ensures an opportunity to create Common Operational / Crisis Picture

Crisis Management System



CMS JASMINE
wide solution dedicated to national crisis management structures, NATO and EU. The system provides the comprehensive support of public administration and Armed Forces in crisis operations and rescue actions



Innovative & comprehensive C4ISR solutions • Unique & interoperable System of the Systems

Proven Solutions – Systems (Hardware & Software)

JASMINE Web Portal



JASMINE Web Portal intranet solution supporting the command process through the use of centralized portal allowing a creation of Common Operational / Crisis Picture. This solution is designed especially for the: armed forces, public services and civilian organizations (such as crisis management systems)

Combat IDentification Server

CID JASMINE solution which significantly increases: identification of own and allied troops, data exchange data, security of forces, and thereby the efficiency of their operations. It is a much wider implementation than the original NATO concept (ADatP-37 – STANAG 5528)



Information Exchange Gateway



IEG JASMINE pioneering software and hardware solution which forms the gateway of safe information exchange between the systems with different security domains. It is also standardized solution in the area of information security in networks that meets the concept of NATO Network Enabled Capability

JASMINE Management System

JMS the set of the specialized and comprehensive software tools designed for full operation, management, monitoring configuration and service of all components of the JASMINE platform, including its devices and software, as well as their other functional elements, e.g. operating systems and end devices



Innovative & comprehensive C4ISR solutions • Unique & interoperable System of the Systems

Proven Solutions – Systems (Hardware & Software)

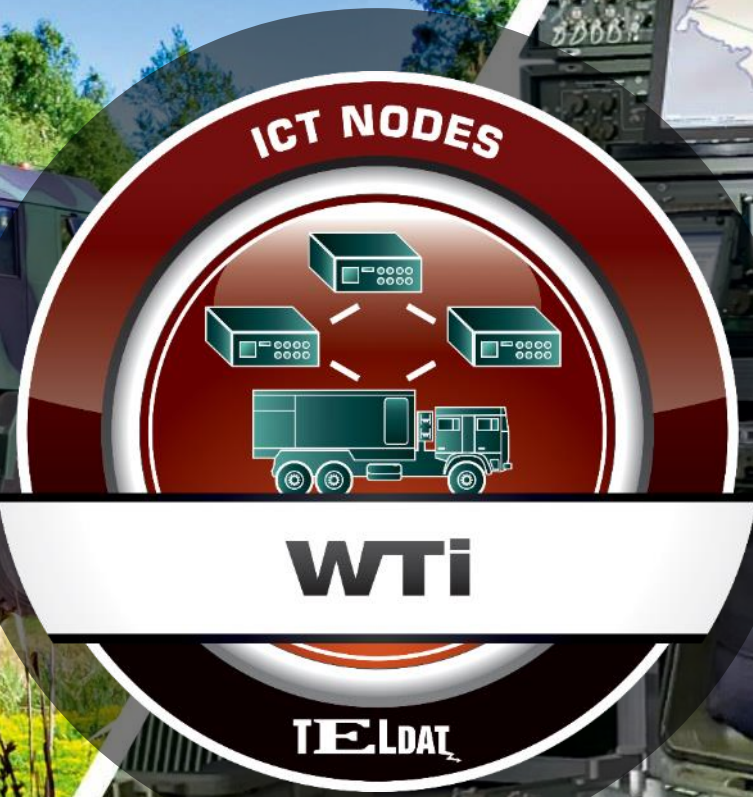
The latest generation software and hardware solutions that are performed in **ICT Nodes** project in portable and shelter versions for **Polish Armed Forces** are also derived from **HMS JASMINE**

100% ~ 80 mln \$ (2018 - 2021)

41 sets (shelter, portable and laboratory)

















~ 160 mln \$ (2022 - 2026)

70 sets (shelter, portable)



Proven Solutions – Systems (Hardware & Software)

ICT HARDWARE

 Server	 Disk Array	 Disk Array Backup	 Server CallManager	 Videoconference Bridge	 Firewall
 Access Router	 Backbone Router	 Access Switch 10G	 Access Switch	 Case for crypto device	 WLAN module
 Portable switch	 Portable xDSL module	 Portable module (optical converter)	 Adapter (optical converter)	NATO SDIP-27 Level B	

END USER DEVICES & PERIPHERAL ACCESSORIES

 Computer workstation RED	 Computer workstation BLACK	 IP Phone	 LCD display and keyboard	 Printer	 Steel safe of B class
 Field optical fibre	 Ethernet field cable	 Extension cord on the drum	 Power strip	 Connection board	 Ventilation device

APPLICATION AND SYSTEM SOFTWARE




JMS
TELDAT


ZMJ
TELDAT


SZZT
TELDAT


ZKJ
TELDAT



SHELTER (CONTAINER) WITH VEHICLE / TRANSPORT BOXES

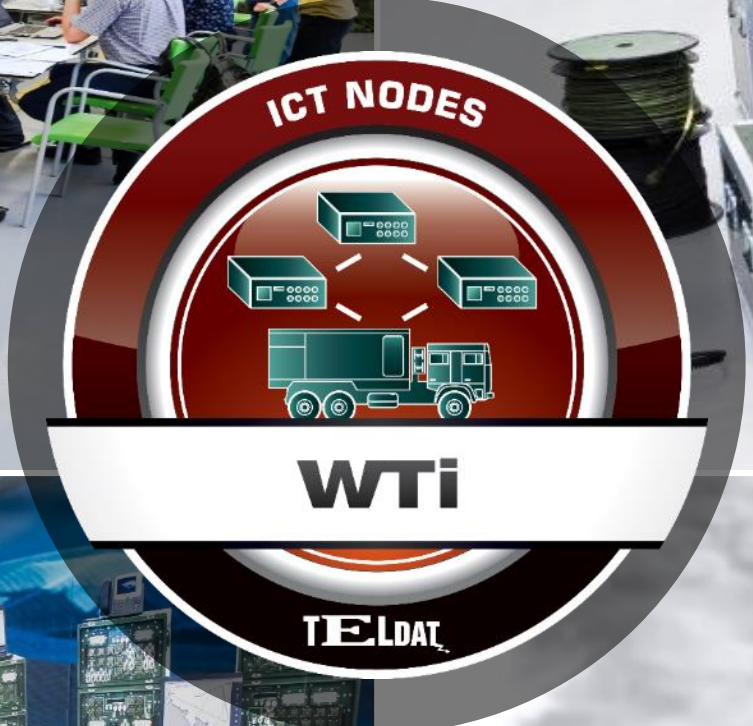
Dedicated transport boxes for all devices and additional equipment



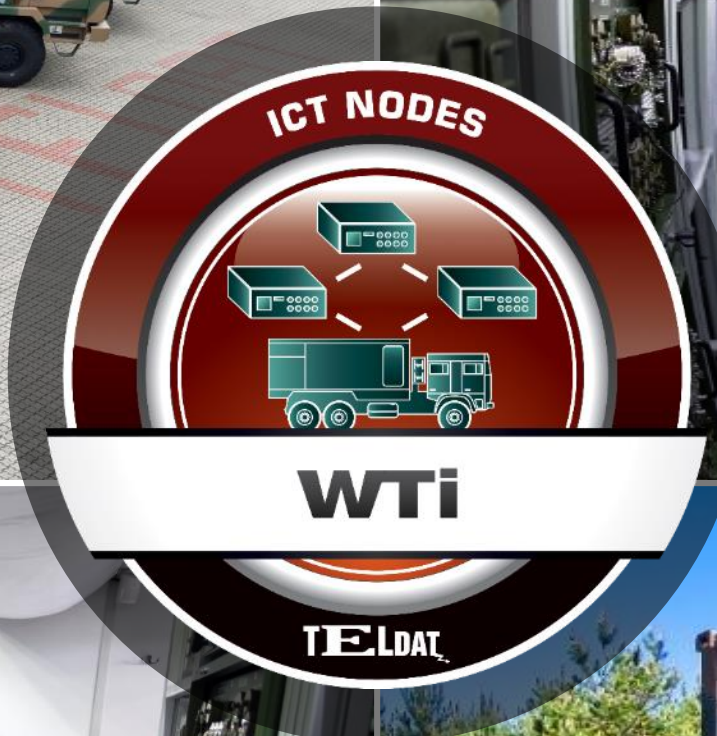
Shelter mounted on the JELCZ vehicle



Proven Solutions – Systems (Hardware & Software)



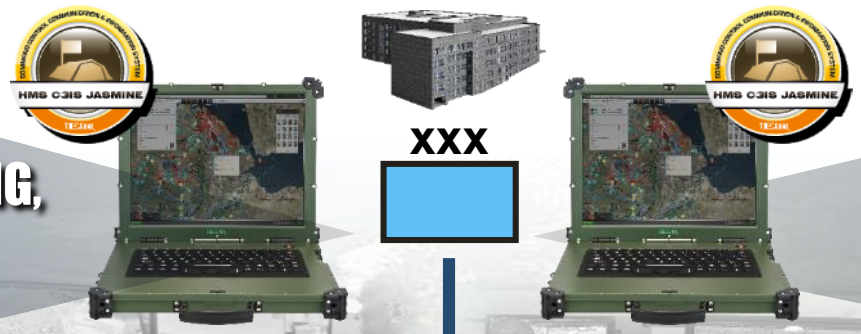
Proven Solutions – Systems (Hardware & Software)



HMS C3IS JASMINE versatile use in command system



**C4ISR,
BLUE FORCE TRACKING,
SITUATION
AWARENESS**

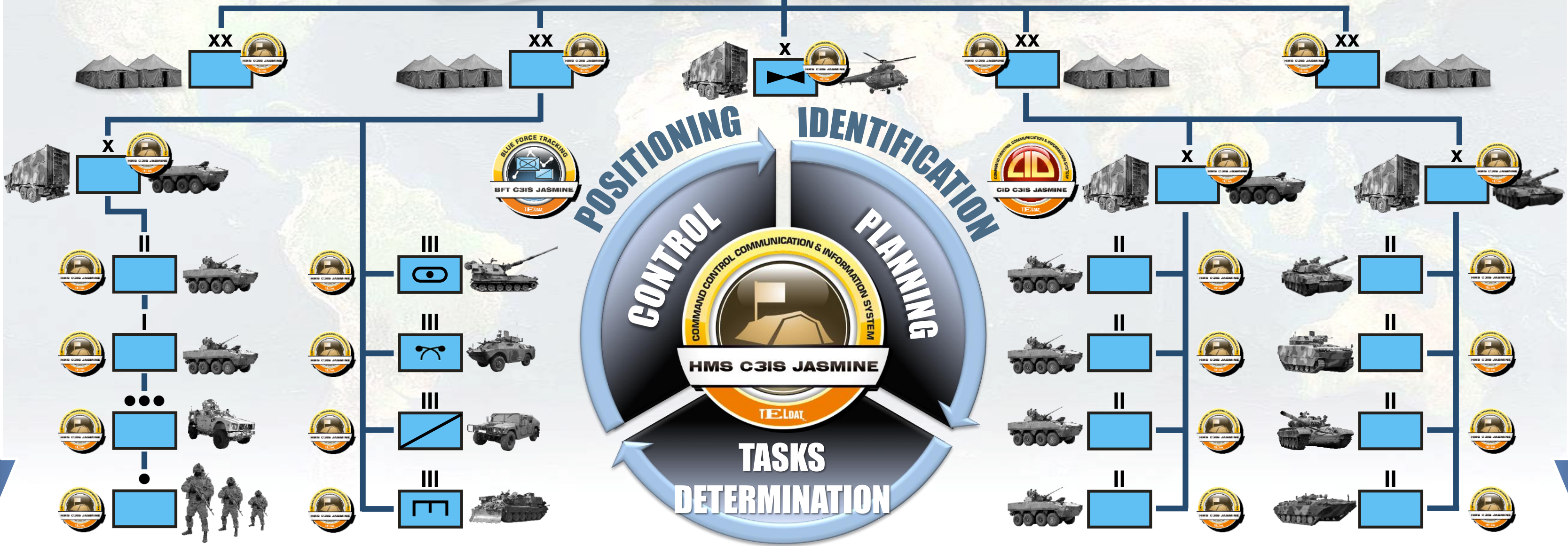


**COMMON
OPERATIONAL
PICTURE**



VARIANTS • ALARMS • VIEWS • REPORTS • ...

ORDERS • PLANS • DECISIONS • INTENSIONS • ...



Proven Solutions – Software

C3IS JASMINE

SPECIALIZED MODULES

- AIR AND MISSILE DEFENSE COMMAND / MANAGEMENT
- MILITARY DOCUMENTS EDITION PROCESS
- ARTILLERY AND MISSILE – FIRE SUPPORT
- ISR INFORMATION MANAGEMENT
- AIR SUPPORT COORDINATION
- TARGETING
- ...

FEATURES

-  **BFT C3IS JASMINE**
-  **Web Portal C3IS JASMINE**
-  **JFSS C3IS JASMIN**
-  **CID C3IS JASMINE**
-  **BMS C3IS JASMINE**
-  **DSS C3IS JASMINE**



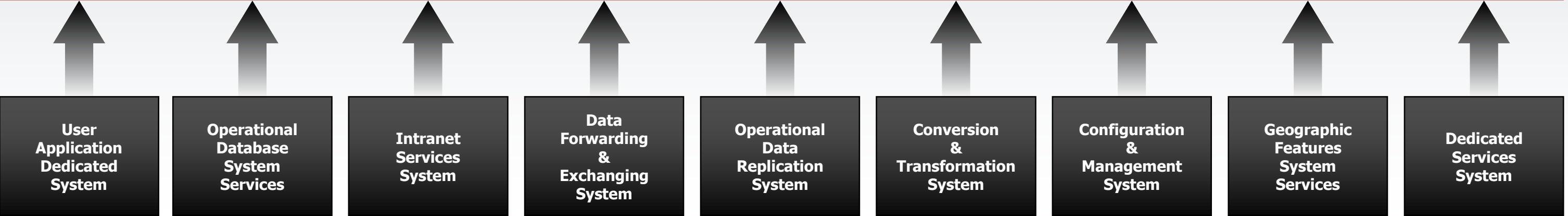
HMS C3IS JASMINE



CLIENT VERSION

DATA DISTRIBUTION POINT

SERVICES



User Application Dedicated System

Operational Database System Services

Intranet Services System

Data Forwarding & Exchanging System

Operational Data Replication System

Conversion & Transformation System

Configuration & Management System

Geographic Features System Services

Dedicated Services System



Proven Solutions – Hardware

NETWORK DEVICES

SWITCHES



ROUTERS



SERVERS



TACTICAL TERMINALS



Hardware of TELDAT is a ruggedized equipment designed to operate in **harsh military environments**, that meets high military standards: **anti-shock, climatic and environmental**, e.g.: **MIL-STD-461G, MIL-STD-1275E, MIL-STD-810G, IP67** and **TEMPEST (SDIP-27 Level A, B, C)**.
Most of them can also operate as a stand-alone solution, it can work independently and can be customized to meet Customer requirements

Proven Solutions – Hardware

Military Tactical Terminals

TRYTON

NOTUS

ARES

PERSONAL



Tactical Terminal Tablet
T5" TRYTON



Tactical Terminal Tablet
T8" TRYTON



Tactical Terminal Tablet
T10" TRYTON



Tactical Terminal Tablet
T12" TRYTON

ON-BOARD



Tactical Terminal Tablet
T5"-P TRYTON



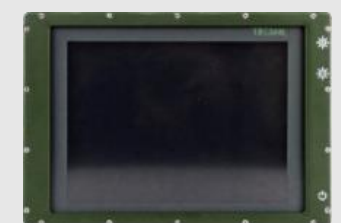
Tactical Terminal Tablet
T8"-P TRYTON



Tactical Terminal Tablet
T10"-P TRYTON



Tactical Terminal Tablet
T12"-PK TRYTON



Tactical Terminal Tablet
T10"-P NOTUS



Tactical Terminal Tablet
T10"-PK NOTUS



Tactical Terminal Tablet
T10"-PK1 NOTUS



Tactical Terminal Tablet
T10"-P-SOD NOTUS



Tactical Terminal Tablet
T10"-PK-SOD NOTUS



Tactical Terminal Tablet
T15"-P NOTUS



Tactical Terminal Tablet
T15"-PK NOTUS

PERSONAL



Tactical Terminal Notebook
L12" ARES



Tactical Terminal Notebook
L15" ARES

ON-BOARD



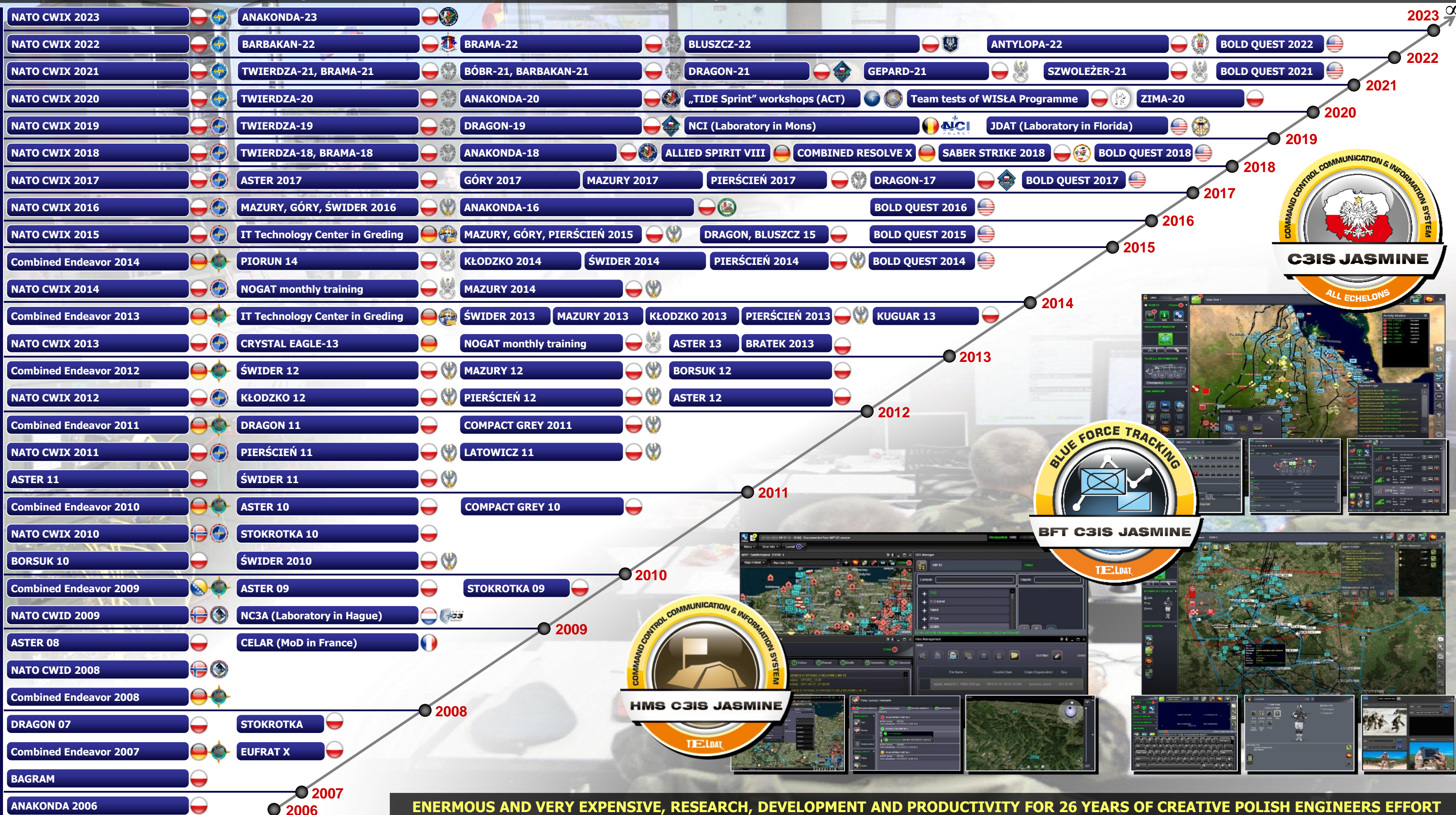
Tactical Terminal Notebook
L12"-P ARES



Tactical Terminal Notebook
L15"-P ARES

LARGE SCALE OF C3IS JASMINE (INCLUDING HMS / BMS / DSS / JFSS C3IS JASMINE) TESTS AND SEARCHES DURING INTERNATIONAL AND POLISH MILITARY EXERCISES

INTERNATIONAL AND POLISH TESTS, EXERCISES & OTHER OPERATIONS



ENERMOUS AND VERY EXPENSIVE, RESEARCH, DEVELOPMENT AND PRODUCTIVITY FOR 26 YEARS OF CREATIVE POLISH ENGINEERS EFFORT

Training laboratories

of the **JASMINE** platform, including **C3IS JASMINE** with **HMS, BMS, DSS, JFSS** and **CMS C3IS JASMINE**



14 operating training laboratories in 7 research and training centers



Key Customers

Polish Government, MoD



USA Government, Raytheon



Example Hardware Solutions – Routers

Patriot Router

„PMI Project of the year Poland Chapter” – prize competition was held by international PMI institute (Project Management Institute)



Military IT component for the Next Generation PATRIOT system

Raytheon



TEL DAT

11 YEARS

**EFFECTIVE
COOPERATION**

416 UNITS

**SUCCESSFULLY
DELIVERED**

