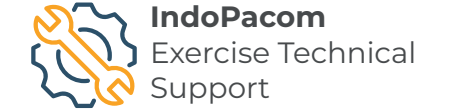# Ex2ART: EXERCISE AND EXPERIMENTATION AUGMENTATION RESOURCE TOOL

PMTEC Accelerated Exercise Augmentation Engineering

Exercise augmentation engineering efforts built on DevSecOps delivered Digital Engineering solution to operationalize PMTEC capability enhancements through continuous improvement and delivery.

PMTEC Key Stakeholders

IndoPacom Exercise Planner

IndoPacom Experiment Lead

IndoPacom Exercise Technical Support

PMTEC ADVANCEMENT with GDIT Digital Engineering : Immediate Gains with Long Term Advantages

Objectves

Achieve a seamless training environment integrating LVC assets enabling robust, realistic, and cost-effective training operations

Enable high-end, all-domain exercises with a continuous campaign of joint experimentation
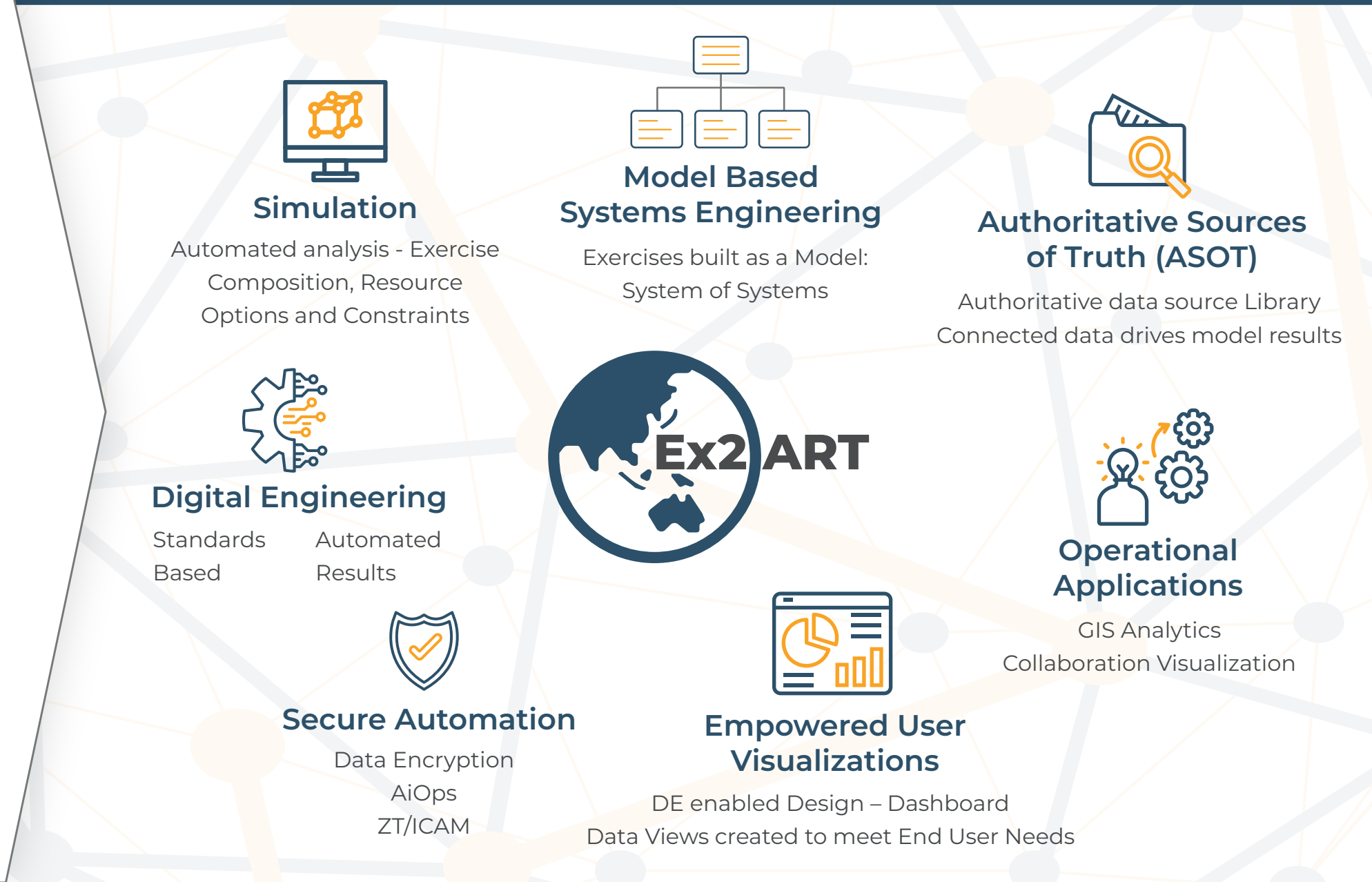
Digital model inventory of PMTEC training capabilities and data sources

Rapid digital solutions to interoperability in complex exercise scenarios

Exercise and Experimentation as code augmentation inventory

Create repeatable useful artifacts & exercise options

Simulation

Automated analysis - Exercise Composition, Resource Options and Constraints

Model Based Systems Engineering

Exercises built as a Model: System of Systems

Authoritative Sources of Truth (ASOT)

Authoritative data source Library Connected data drives model results

Digital Engineering

Standards Based

Automated Results

Ex2ART

Operational Applications

GIS Analytics Collaboration Visualization

Secure Automation

Data Encryption
AiOps
ZT/ICAM

Empowered User Visualizations

DE enabled Design – Dashboard Data Views created to meet End User Needs

Key Outcomes

Complex inventory of Digital Capability for Exercise enhancements

Improved capability to enable DEE models on existing Exercises and Experiment scenarios

Geographic representation of Exercise Parameters with resources applied

Training System Digital Models integrated with GIS analytic capability

Coalition and Joint Model Integration

Supports Doctrinal Planning procedures

Benefits

Improved Decision Making

Enhanced Communications

Greater Flexibility and Adaptability

More predictable outcomes

Increased efficiency

Why Us

→ Vendor Agnostic solution avoids implementation constraints

→ Integrator of Digital Engineering Environment for Ground-Based Strategic Deterrence

→ Aligns with DoD Digital Engineering Strategy

→ Enterprise IT Leading Systems Integrator in DoD