3D VISUALIZATION
"YET ANOTHER GLOBE"

AGENIUM
3D LAB

- VIRTUAL GLOBE BASED ON A HIGH PERFORMANCE CARTOGRAPHIC REPOSITORY
- SIMULATION IN REAL TIME OR IN REMOTE TIME
- TECHNOLOGY BRICKS BASED ON UNREAL ENGINE

UNREAL ENGINE

- NEXT GENERATION VISUALIZATION TO POPULARIZE SPATIAL SITUATIONS
- MULTI-SCALE FROM THE SPACE DOMAIN TO THE GROUND
- CONNECTED WITH STK FOR ORBITOGRAPHIC CALCULATIONS

STK

- INTEROPERABLE WITH OTHER SYSTEMS







AGENIUM RCS Versailles B 478 069 180 • Design Graphique : Affixe-Communication.com • Darkana.com • Images ©Agenium - Nasa - Adobe Stock

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AGENIUM
COMPLEX SYSTEMS INTEGRATOR

HIGH VALUE-ADDED
CROSS-EXPERTISE
SOLUTIONS

- SYSTEM MODELING & SIMULATION
- AI MACHINE & DEEP LEARNING
- IMAGE PROCESSING
- SCIENTIFIC SOFTWARE DISTRIBUTION
- TRAINING
- MCO / MCS ELECTRONICS AND SOFTWARE
- HPC



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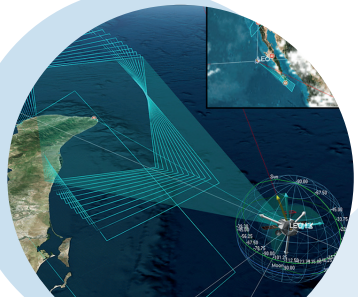
SPACE DOMAIN SURVEILLANCE

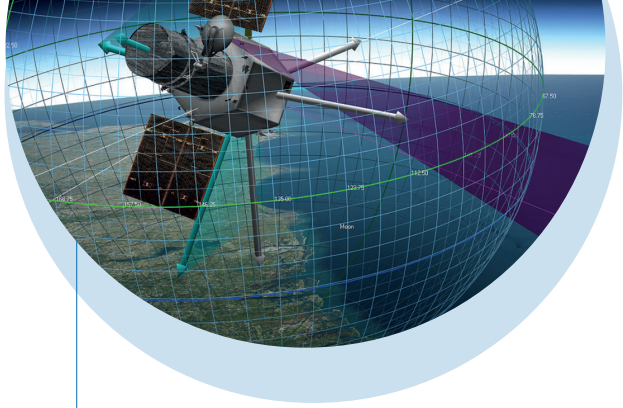
SDA – SSA – SST



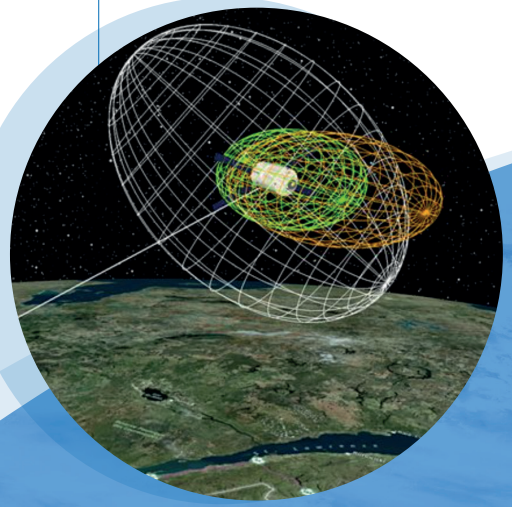
- QUANTIFYING THE LEVEL OF RISK FOR ASSETS
- ANALYZING POTENTIAL COLLISIONS
- CREATING, MANAGING, AND CONDUCTING OPERATOR TRAINING
- SSA TEST AND SYSTEM INTEGRATION PLATFORM

- CREATING, AGGREGATING AND MAINTAINING A CATALOG OF OBJECTS
- PROCESSING AND MERGING OF DATA FROM HETEROGENEOUS SOURCES
- CALIBRATING AND ANALYZING TRACKING SYSTEMS
- ANALYZING ACTIVE THREATS





- DESIGNING OR OPERATING AT REDUCED COST AND TIME
- HAVING A SIMULATION ENVIRONMENT TO TEST AND TRAIN YOUR OPERATORS AND/OR IT SYSTEMS
- MODERNIZING YOUR PHYSICAL AND/OR SYSTEM MODELING TOOLS TO INCREASE EFFICIENCY



- VALIDATING CONSTELLATION CONCEPTS
- ENGINEERING SOLUTIONS FOR YOUR PLATFORM
- MODELING PAYLOADS AND THEIR PERFORMANCE
- VALIDATING COVERAGE AND REDUNDANCY REQUIREMENTS FOR A COMMUNICATION CONSTELLATION
- DETERMINING THE FREQUENCY OF PASSAGE FOR AN OPTICAL COLLECTION SYSTEM
- EVALUATING THE VULNERABILITY OF THE CONSTELLATION TO ORBITAL CONJUNCTIONS

SATELLITE AND CONSTELLATION

DESIGN ENGINEERING