

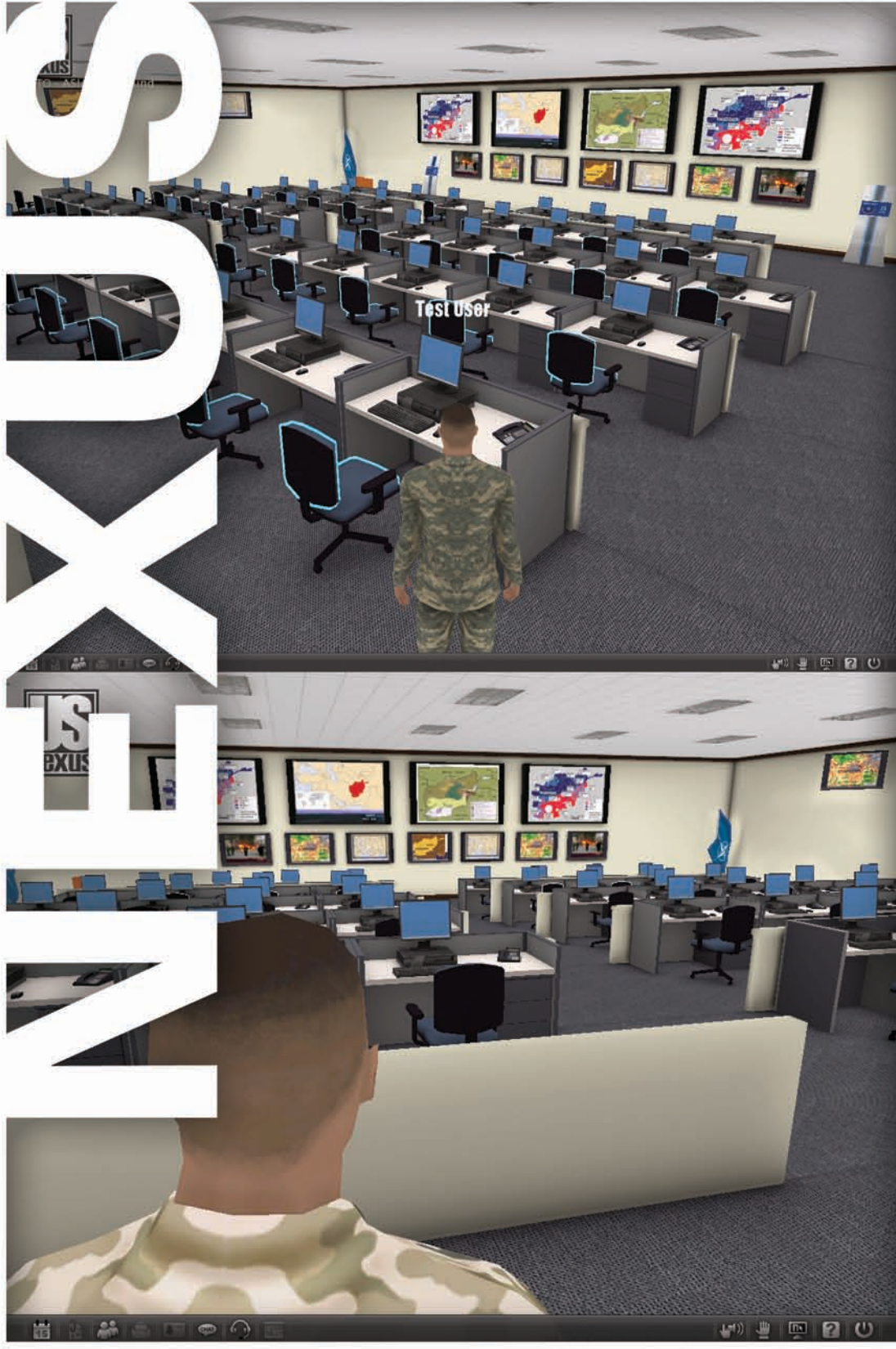


## Brent Smith

Chief Technology Officer

## Jeff Sestokas

Senior Research Scientist



## RESEARCH AREAS INCLUDE:

- ◆ Understanding how Intelligence Analysts frame and translate factual and hypothetical data into actionable knowledge (**Sensemaking**)
- ◆ Understanding how problem solving relates to reasoning processes used by individuals and teams in the intelligence community to convert actionable knowledge into decisions and solutions (**Problem Solving/Problem Detection**)
- ◆ Understanding how knowledge and information is shared or transferred between individuals and teams (**Communication**)
- ◆ Understanding how individuals and teams store and retrieve knowledge to perform work and make decisions (**Knowledge Management**)
- ◆ Understanding how individuals and teams acquire new or modify existing knowledge, skills, and behaviors to improve their mental models (**Learning**)

***ECS specializes in the research, design, development, implementation, and sustainment of next-generation learning systems.***

Our primary areas of expertise include:

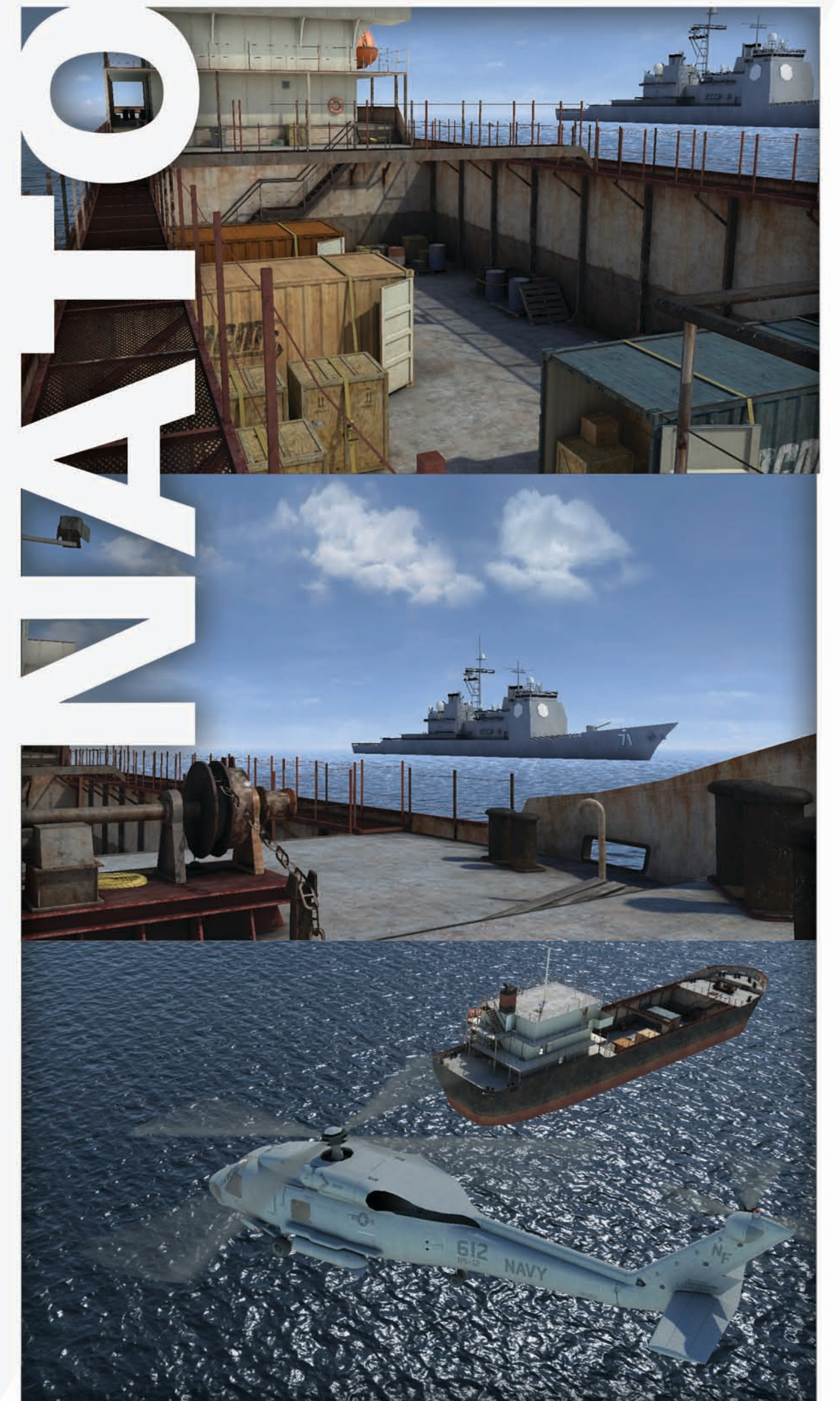
- ◆ Advanced Instructional Design methodologies and technologies
- ◆ 2D and 3D Serious Games
- ◆ Immersive simulations
- ◆ Virtual worlds / Virtual Learning Environments
- ◆ Enterprise assessment tools and middleware
- ◆ Mobile computing applications
- ◆ Learning standards and specifications

### ***Specific Capabilities***

- ◆ Experimental Psychology with proven performance in examining and testing cognitive biases within Virtual Learning Environments
- ◆ Social Scientists and Statisticians
- ◆ Subject Matter Expertise

### ***Type of Research***

- ◆ High quality organization with a focus on applied research
- ◆ Experience in transitioning R&D into an operational training environment



## **Brent Smith**

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**ENGINEERING & COMPUTER  
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