4th Annual Update

Growth…

Consolidation…

…Transition

Jim Rosbe

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Soar Technology

Thinking… *inside* the box   1

Continuity…

- TacAir-Soar support & development for Army, Navy, Air Force, Joint Forces training and experimentation

- Research on new agent tools and capabilities

- R & D for intel community (visualization, agent-driven game/simulation tools)

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…new directions…

- Networked command and control agents for robotic and manned elements
- CGF weapon firing algorithms
- "Thinking OpFors" for MOUT
- Afghan battle digitization
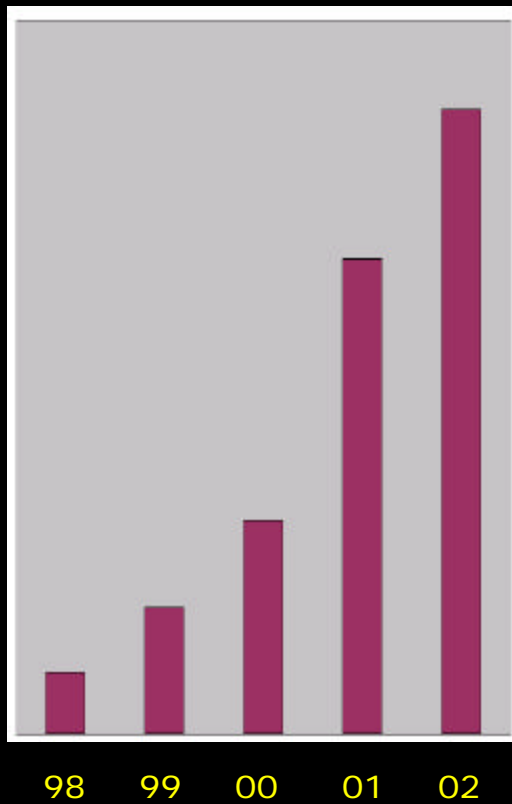- "Plug and play" heterogeneous agent interaction

- HCI
- BDi-Soar agents
- Stick-level aircraft control
- JCATS
- Interface agents

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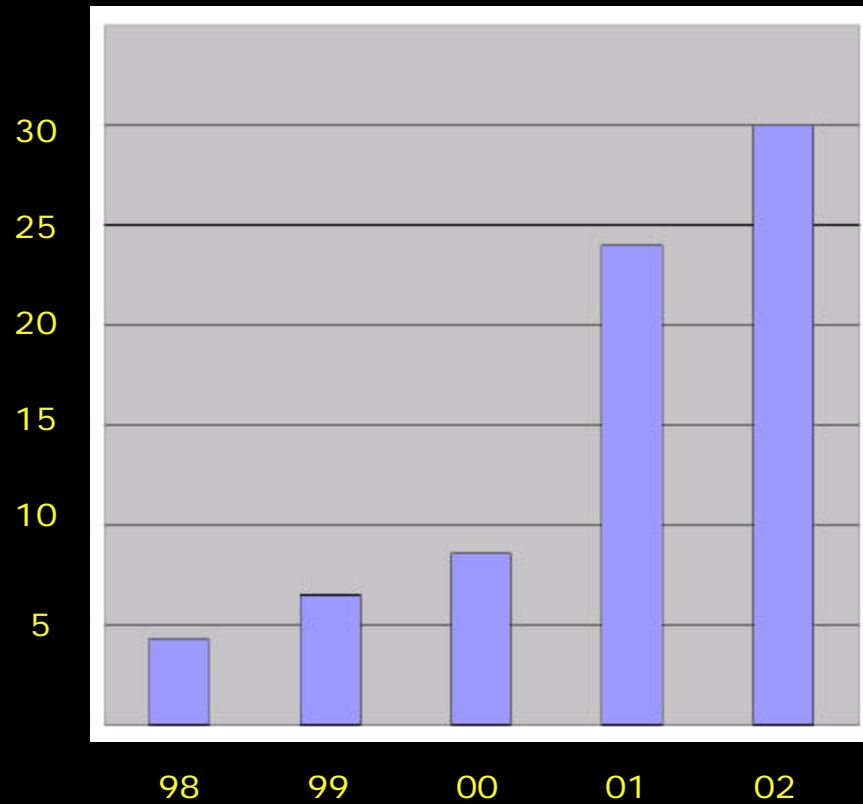
…& new prospects

- Intelligent, integrative command and control layer for unmanned vehicles

- Human error modeling tools

- Multidimensional framework for intelligent agents, frame-based user models and ontologies for next-generation intelligence analysis tools (dealing with massive data)

Growth…

Revenue

Staff

Soar Technology

Thinking… *inside* the box   5

Since Soar 21, the following new staff:

Ann Arbor:

       Jim Beisaw, PhD

       Jack Zaientz

       Sean Lisse

       Nancy Shanley

       Dave Ray

       David Mir

       Jennifer Kiessel

Interns 2002:

       Alex Chovanec

       Matt Gilgenbach

       Chris Kiekentveld

       Tom Vollaro

       Adam Winkel

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SoarTech growth…and implications for interaction with the Soar Community

- *IR&D*
- *Soar info portal*
- *Research collaborations*
- *Recruiting new staff*
- *Internships & coops*
- *Scholarships*

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Mining Report

Nuggets

- Large opportunities ahead

- High-level recognition

- Can now afford higher level of IR&D

- Broadening our skillsets

- Continue to be able to attract highly qualified & motivated staff

Coal

- Tough year for U.S. govt. contracting

- Limited development tools

- Still too busy to branch out into commercial applications

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Thinking… *inside* the box   8

Creating and applying cognitive, knowledge-rich, dynamic systems to fundamentally improve how people work and live.

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Joint Forces Command (JFCOM)
USAF ASC/YW Training Systems Product Group
USAF XOC
Naval Warfare Development Center (NWDC)
Modeling and Simulation Information Analysis Center (MSIAC)
Advanced Research & Development Activity (ARDA)
Defense Modeling & Simulation Office (DMSO)

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