

# Inference Rules for Joint Mission Assessment: Time Sensitive Targeting

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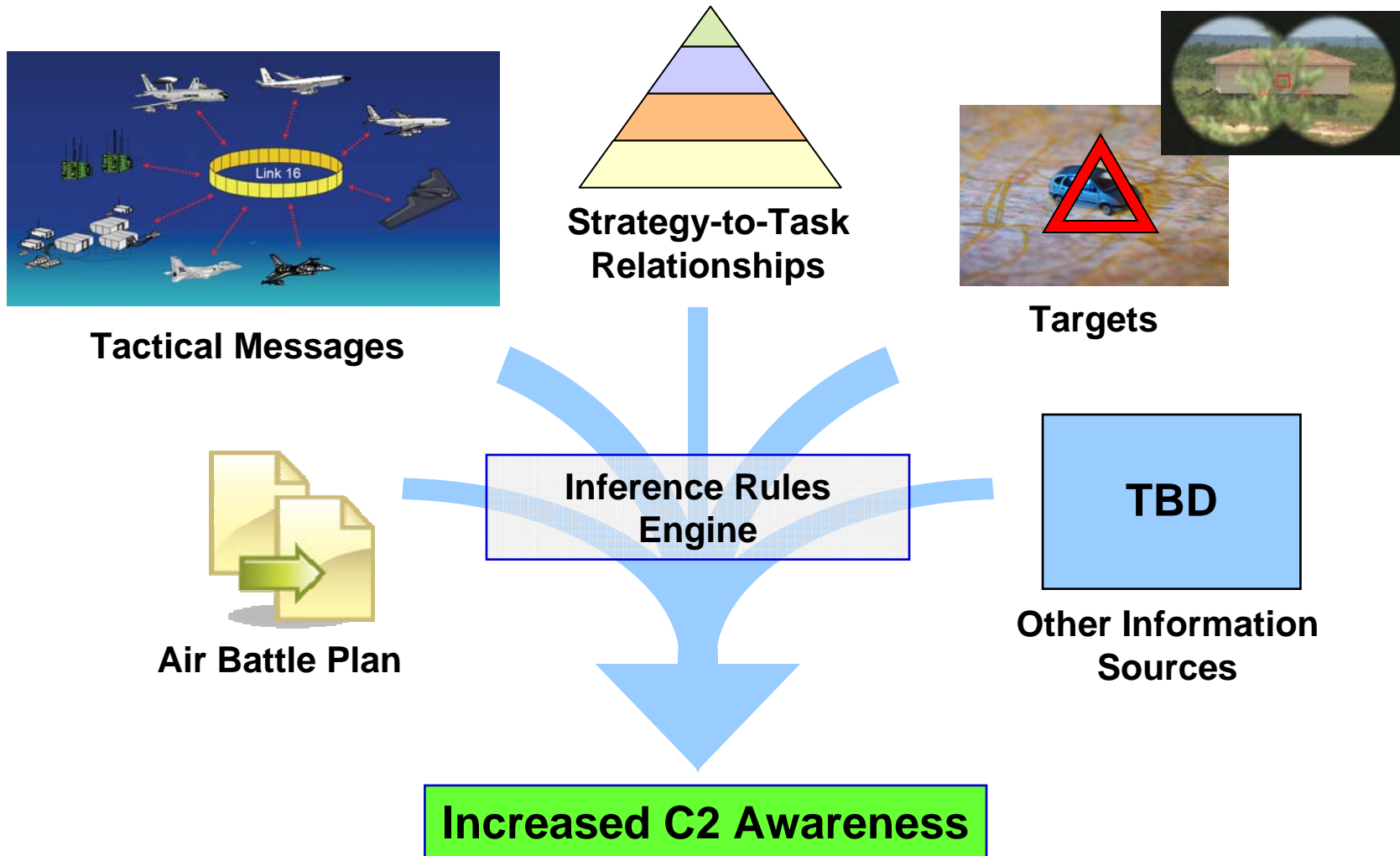
Air Force MOIE



# Problem

- **The disconnection between planning and execution hinders assessment and dynamic targeting**
- **Can we combine execution information from tactical messages and data feeds in new ways and infer higher level relationships to the overall objectives and timetable?**
- **How can these higher level inferences be codified and presented to help dynamic targeting coordination?**

# Background



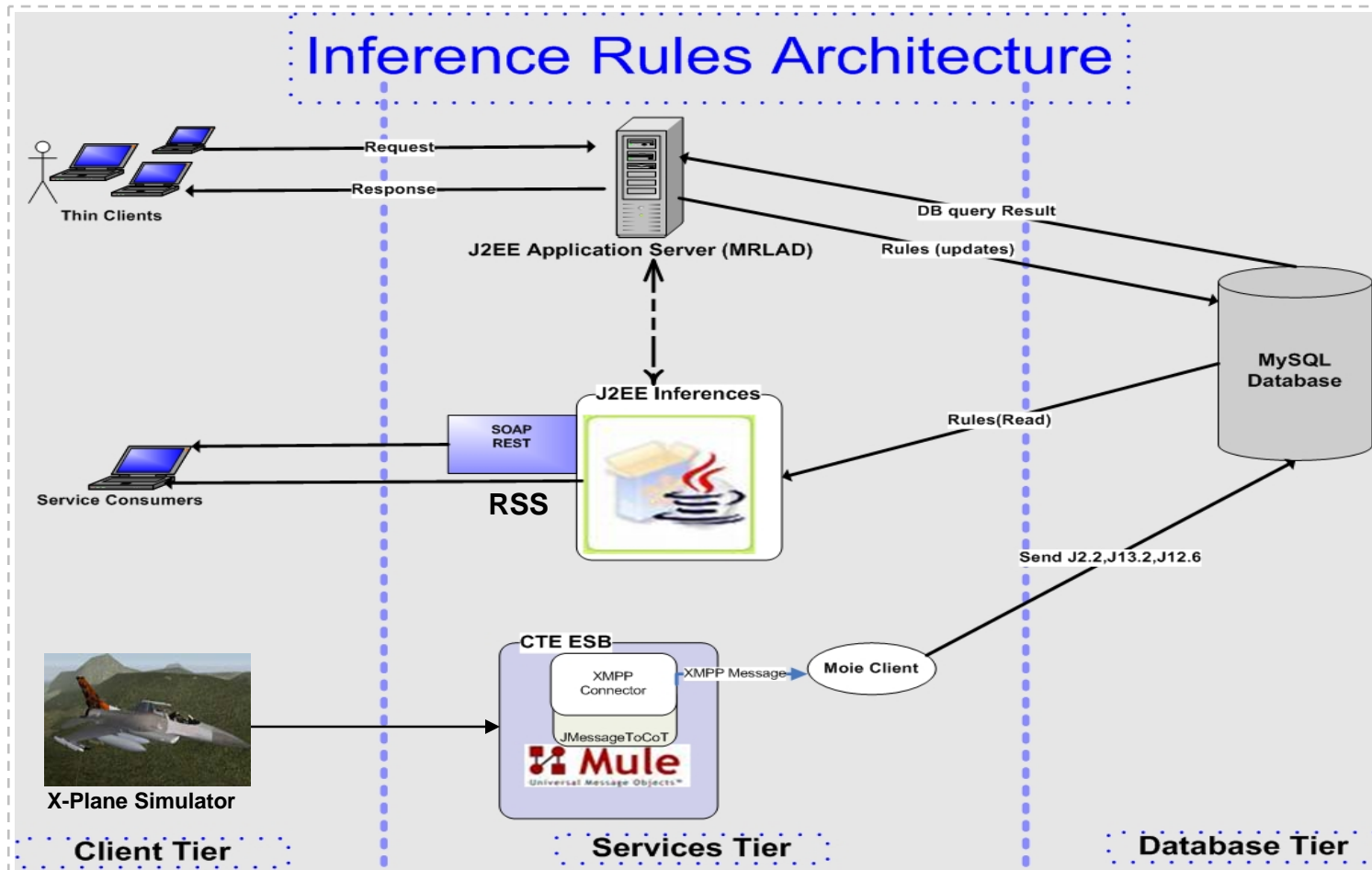
# Objective

- **Work with users to codify rules that infer important status information from multiple untapped sources**
- **Allow “power users” to create their own rules based on new situations and different questions**
- **Create a system that leverages these rules to relate target prosecution to overall combat objectives**

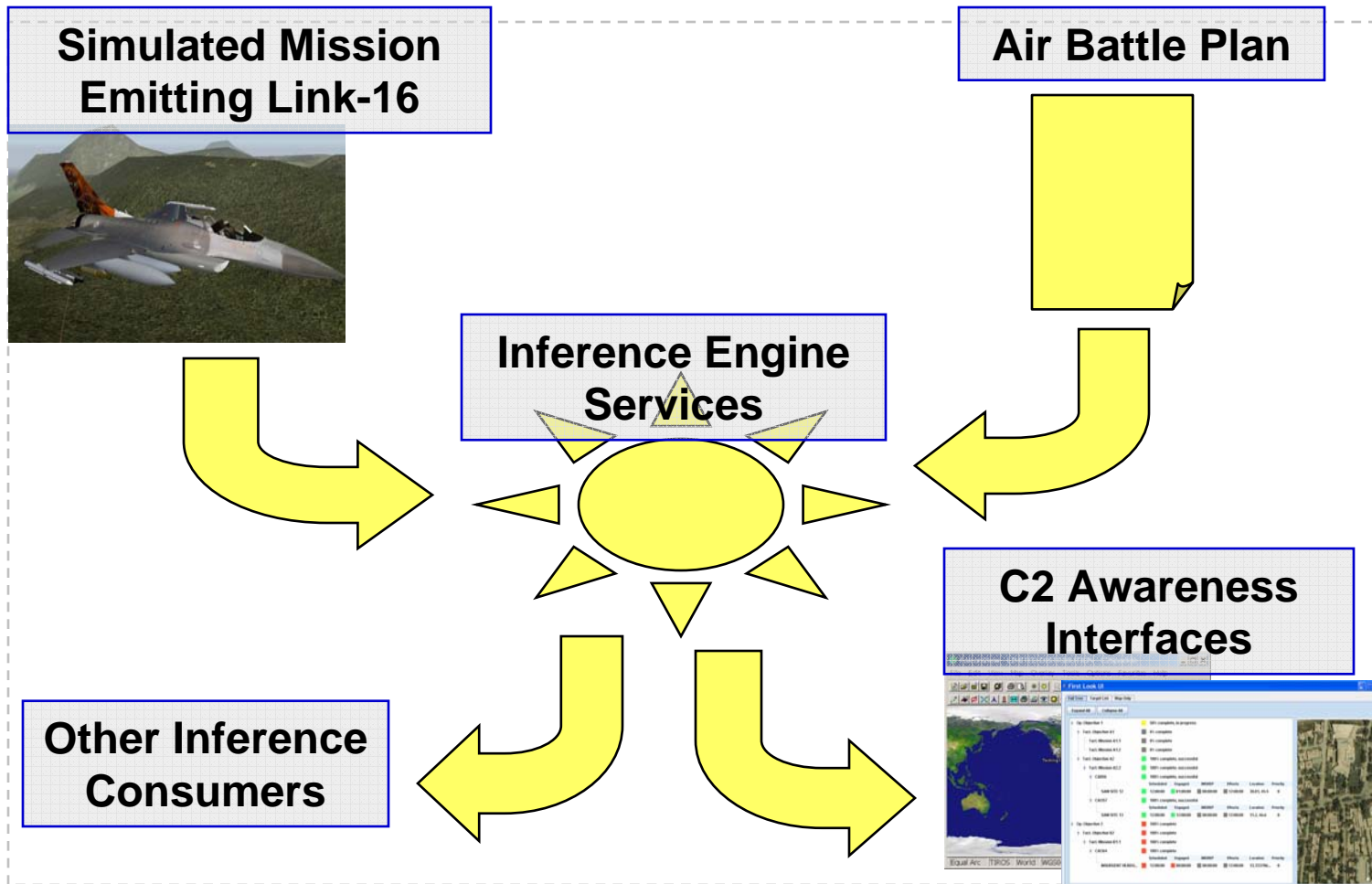
# Activities

- **Iterating prototype with AF Warrior School**
  - **Attended three week Assessment course**
- **Designing/developing flexible inference engine architecture**
- **Designing/developing services to disseminate inference data through custom GUIs, RSS feeds, Map displays**
- **Working with recorded operational data to ensure robustness**

# Highlight



# Demonstration



# Impacts

- **Support Effects Based Assessment**
  - **Support Dynamic Targeting operations**
- **Data Dissemination!**
  - **Improve picture of the Battle Space**
  - **Horizontal and Vertical M2M**
  - **Leverage Net Centric Warfare**
- **Close the loop with ISR**

# Future Plans

