

# **VETRONICS OVERVIEW**

**By**

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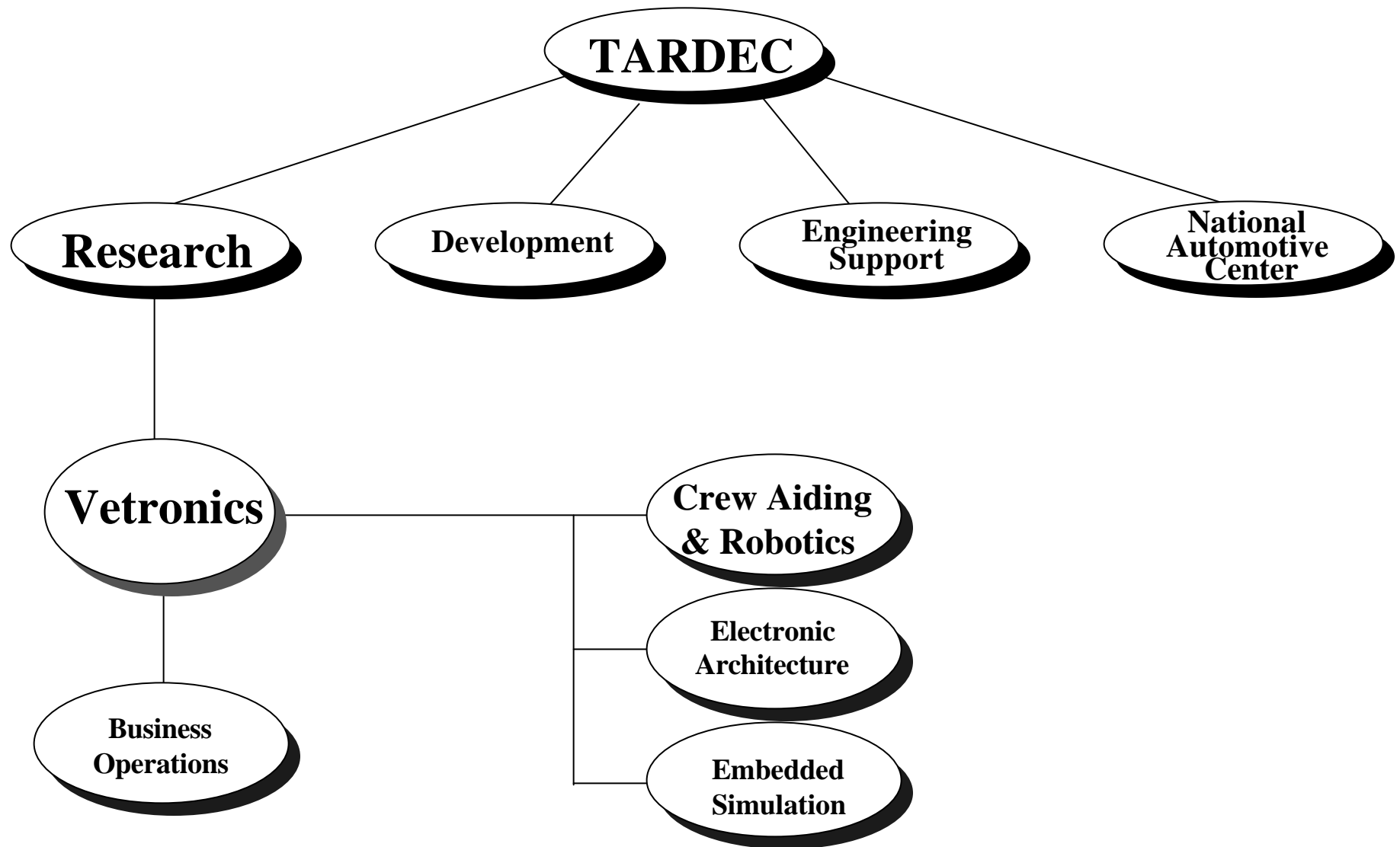
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**May 30, 2001**

## Report Documentation Page

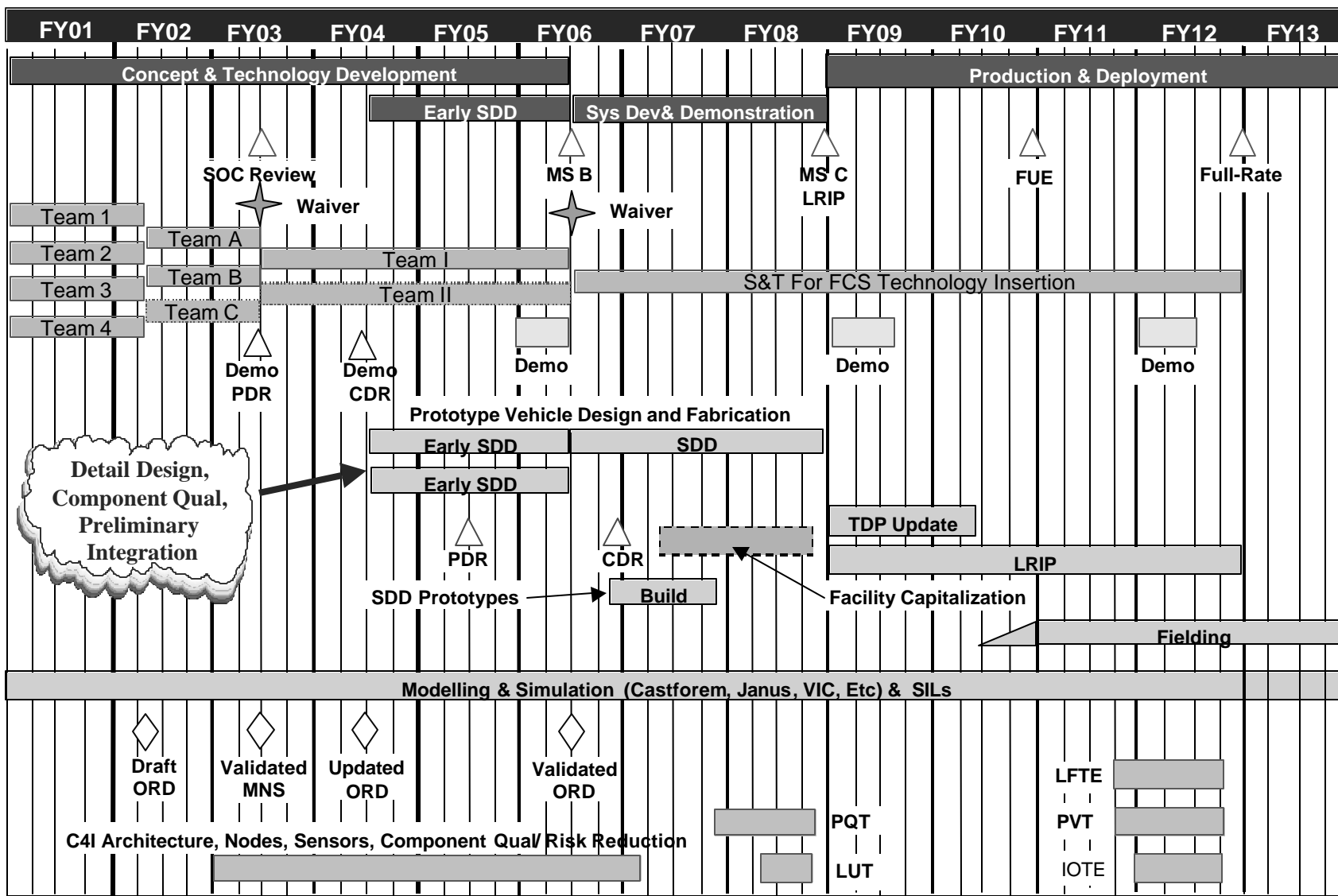
<b>Report Date</b> 30May2001	<b>Report Type</b> N/A	<b>Dates Covered (from... to)</b> -
<b>Title and Subtitle</b> Vetronics Overview		<b>Contract Number</b>
		<b>Grant Number</b>
		<b>Program Element Number</b>
<b>Author(s)</b> Adams, Curt		<b>Project Number</b>
		<b>Task Number</b>
		<b>Work Unit Number</b>
<b>Performing Organization Name(s) and Address(es)</b> U.S. Army Tank-Automotive RD&E Center (TARDEC) Vetronics Technology Area (AMSTA-TR-R, Mailstop 264) Warren, MI 48397-5000		<b>Performing Organization Report Number</b>
<b>Sponsoring/Monitoring Agency Name(s) and Address(es)</b> NDIA (National Defense Industrial Association) 211 Wilson BLvd., Ste. 400 Arlington, VA 22201-3061		<b>Sponsor/Monitor's Acronym(s)</b>
		<b>Sponsor/Monitor's Report Number(s)</b>
<b>Distribution/Availability Statement</b> Approved for public release, distribution unlimited		
<b>Supplementary Notes</b> Proceedings from 2001 Vehicle Technologies Symposium - Intelligent Systems for the Objective Force 29-31 May 2001 Sponsored by NDIA, The original document contains color images.		
<b>Abstract</b>		
<b>Subject Terms</b>		
<b>Report Classification</b> unclassified	<b>Classification of this page</b> unclassified	
<b>Classification of Abstract</b> unclassified	<b>Limitation of Abstract</b> UU	
<b>Number of Pages</b> 8		

# Vetronics Organization



## Vetronics Mission

- Support the 6.2 and 6.3 applied technology research and development for the Vetronics *constituent* technologies
- Enable the transition of Vetronics technology to ground vehicle systems
- Current program focus: **FCS**



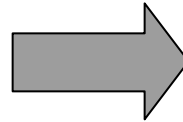
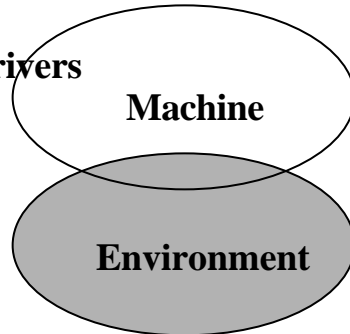


# Why Vetronics?

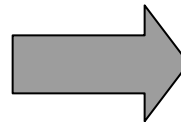
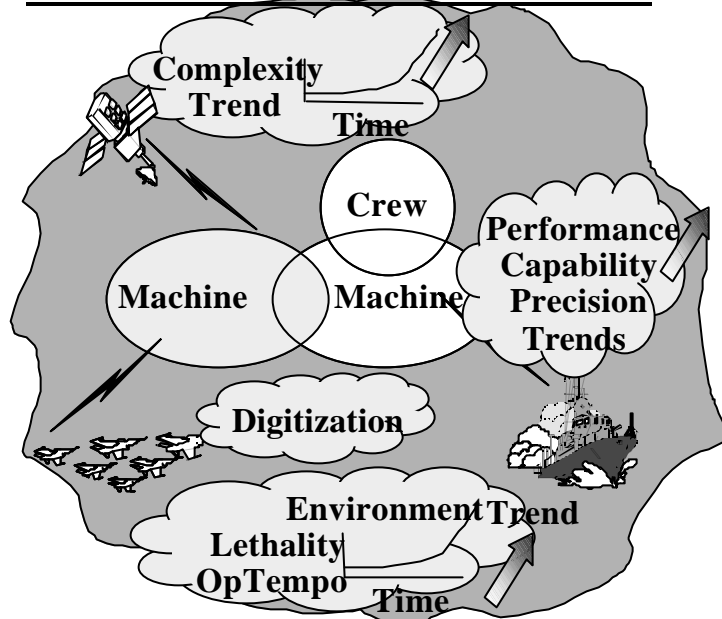
## TRADITIONAL S&T DEVELOPMENTS

### Environmental Drivers

Space  
Weight  
Thermal  
Shock  
Vibration  
etc

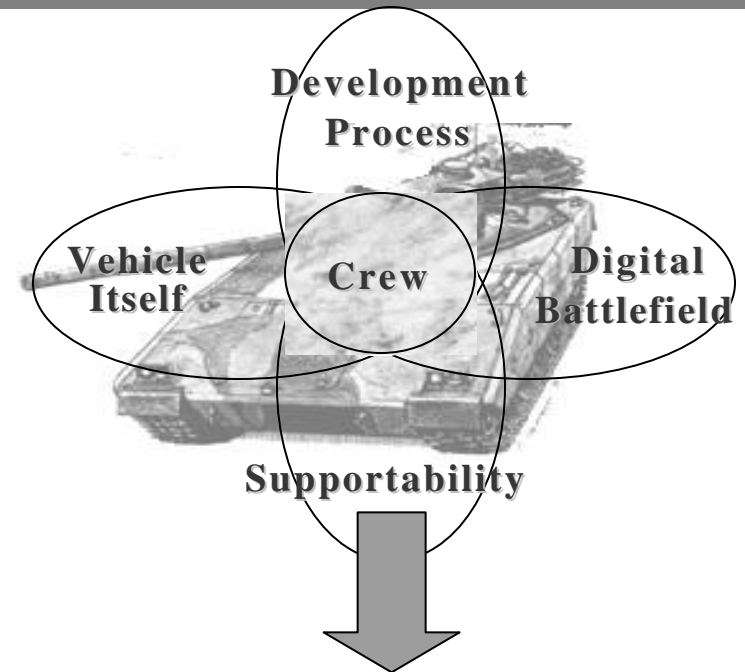


## EVOLVING COMPLEXITY DRIVERS



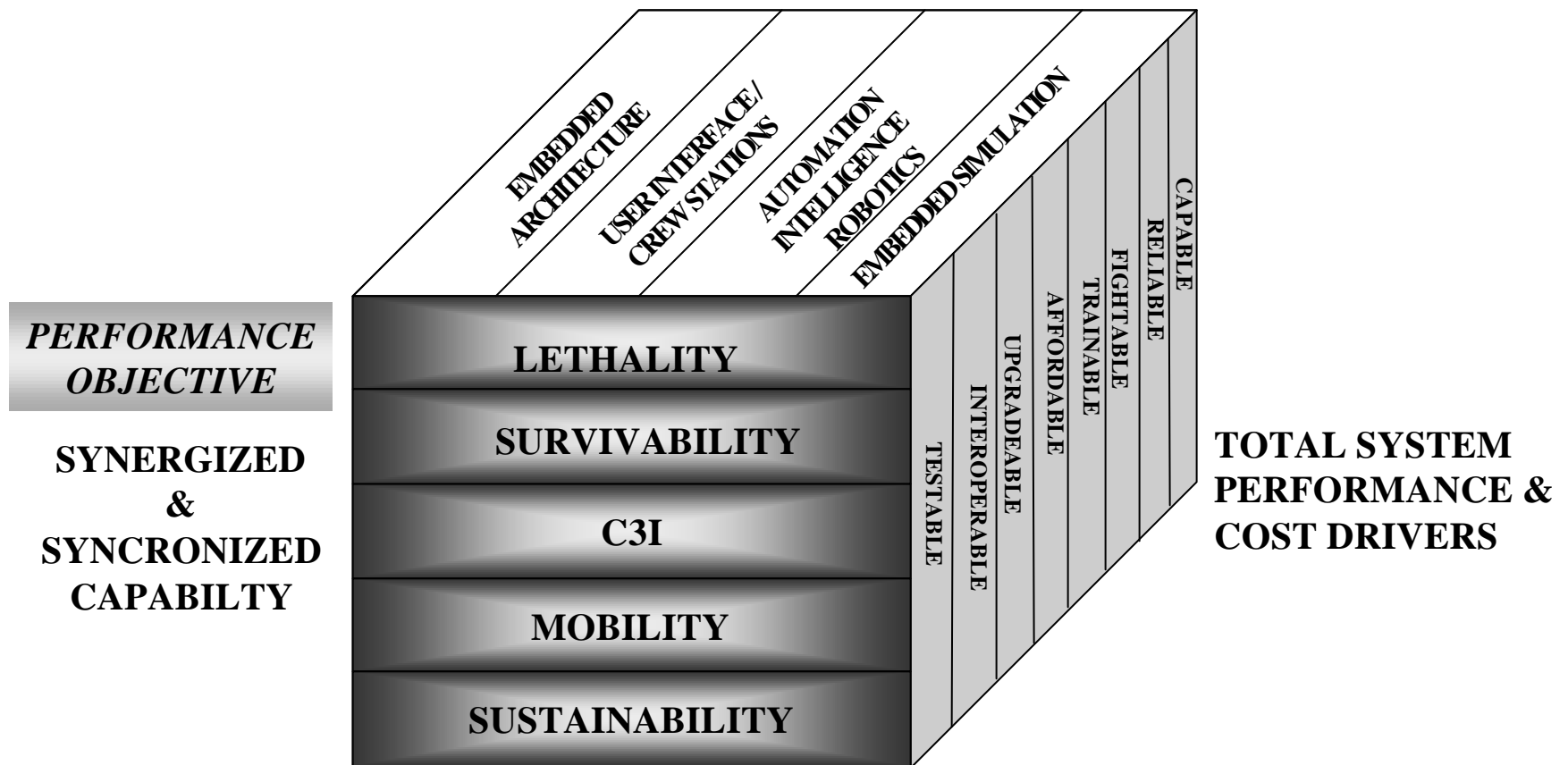
## REAL TIME EMBEDDED COMPLEX SYSTEM TECHNOLOGY FOCUS

- User Interface/Crew Station
- Automation/Robotics
- Embedded Architecture
- Embedded Simulation

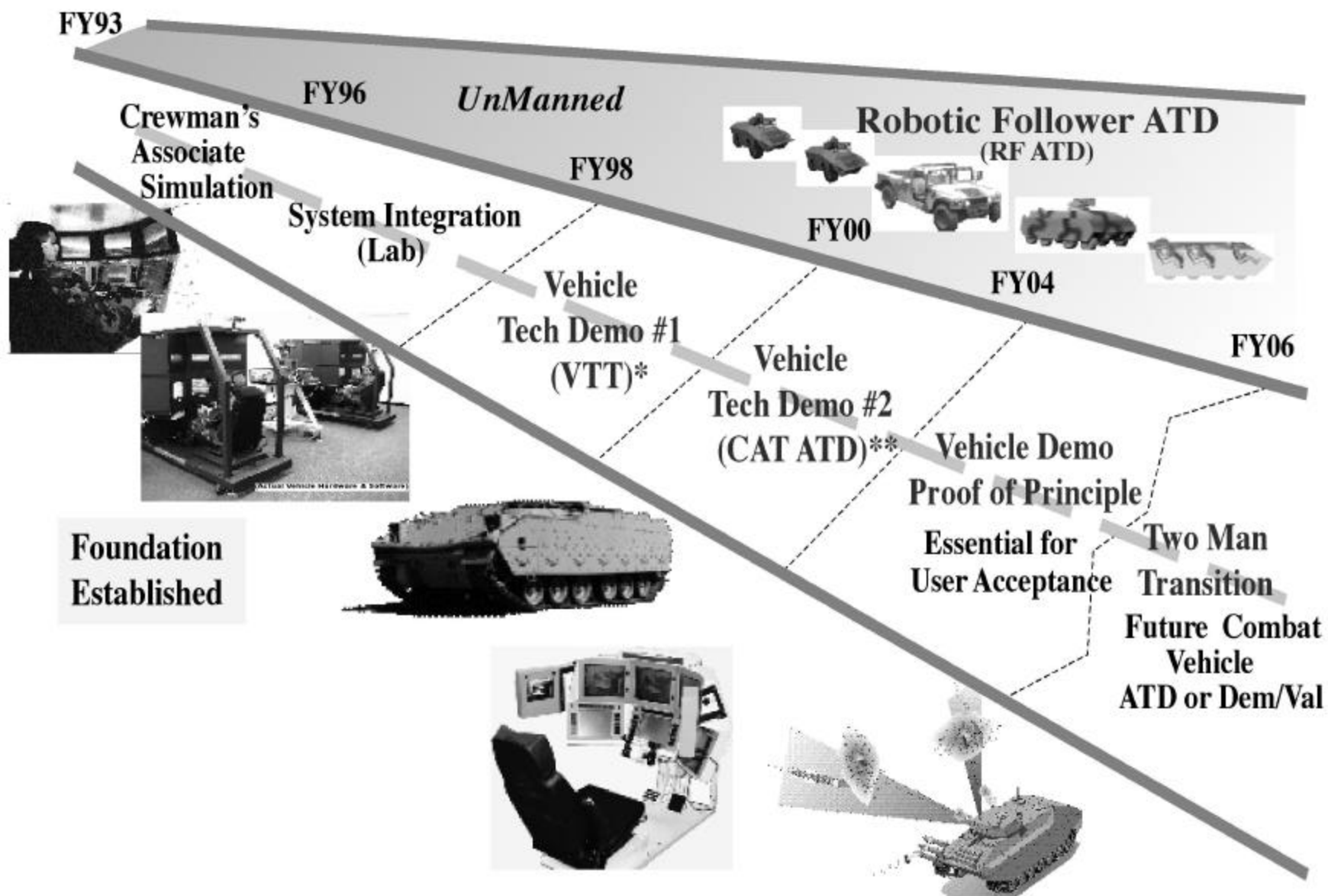


# ***TOTAL SYSTEM INTEGRATION***

**VEHICLE  
ENABLING  
TECHNOLOGIES**



# Crew Reduction Progression



\*VTT = Vetronics Technology Testbed

\*\*CAT ATD = Crew integration and Automation Testbed Adv. Tech. Demonstration



