Trusted Partners

DARPA /Army

LSI

Best of Industry

BOEING

SAIC
Our View of an LSI

• LSI
  – Is not a type of contract
  – Is a style of operation

• Conventional Prime
  – Develops/builds what it can
  – Subcontracts what it can’t

• LSI
  – Gets best of industry to work the hardware
  – Focuses on system engineering, system integration, system planning, and control
Our Merged Best-of-Both Approach

Lowest Risk path to MS B and most capable FCS Force
Family of Highly Capable Combat Systems

- **16-20T Manned Ground Platforms**
  - APC, C2, CV, RV
  - NLOS
  - SUAV Carrier
  - Resupply
  - Reconnaissance and surveillance

- **Unmanned Air Platforms**
  - SUAV
  - Robots
  - Organic Air Vehicle OAV
  - TUAV

- **Soldier Robots**
  - Tracked
  - Legged
  - Mule

- **Resupply**

- **BLOS/LOS**

- **Mortar**

- **NetFires**
Field FCS-Equipped Units of Action With Threshold Objective Force Capability by the End of the Decade.
Deployment / Sustainment Analysis Shows Reduced Footprint

<table>
<thead>
<tr>
<th></th>
<th>Initial FCS concept % of ACR(-AVN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shooter vehicles (total)</td>
<td>110%</td>
</tr>
<tr>
<td>Vehicles (total)</td>
<td>90%</td>
</tr>
<tr>
<td>Soldiers (total)</td>
<td>60%</td>
</tr>
<tr>
<td>Support unit soldiers (total)</td>
<td>55%</td>
</tr>
<tr>
<td>Lift requirements (tons)</td>
<td>38%</td>
</tr>
<tr>
<td>Class I - water (tons)</td>
<td>60%</td>
</tr>
<tr>
<td>Class III (tons)</td>
<td>5%</td>
</tr>
<tr>
<td>Class V (tons)</td>
<td>18%</td>
</tr>
</tbody>
</table>

- Used joint tools, JFAST, AALPS, internal APOD model
The Objective Force

- Fights, thinks, & communicates as a member of the Joint Force
- Capable of functioning as a Joint Force HQs
- Full spectrum capable – general purpose forces with special purpose capabilities dominant at every point on the spectrum
- Move - across larger areas of action organized into tailored formations
- Shoot – employs organic fires to influence/action & exploit Joint strike systems and precision munitions
- Communicate/C4ISR - networked force, observe and orient within Joint warfighter framework

...a XXIst Century Army
Concept & Technology Development Schedule

<table>
<thead>
<tr>
<th>FY02</th>
<th>FY03</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concept &amp; Technology Development (CTD) Agreement</td>
<td></td>
</tr>
<tr>
<td>CTD Agreement Complete</td>
<td></td>
</tr>
<tr>
<td>Hot Start</td>
<td></td>
</tr>
<tr>
<td>Award</td>
<td></td>
</tr>
<tr>
<td>Start of Work MTG/IPR#0</td>
<td></td>
</tr>
<tr>
<td>JTRS &amp; WIN-T Assessment</td>
<td></td>
</tr>
<tr>
<td>BIAs</td>
<td></td>
</tr>
<tr>
<td>Trade Studies</td>
<td></td>
</tr>
<tr>
<td>Arch &amp; Concept</td>
<td></td>
</tr>
<tr>
<td>Risk Reduction Activities</td>
<td></td>
</tr>
<tr>
<td>Technical Integration Demos</td>
<td></td>
</tr>
<tr>
<td>CTD Capstone Demonstration</td>
<td></td>
</tr>
</tbody>
</table>

LSI

Govt

- FCS AoA Begins
- FCS STAR ver 1.0
- FCS STAR ver 3.0
- FCS & UA OA/ORD/O&O ver 1.0
- FCS & UA OA/ORD/O&O ver 3.0
- TRADOC FCS ORD
- AROC FCS ORD
- JROC FCS ORD
- ASARC
- DAB
- MS B

PM/LSI IPR#1 Concept Refined
PM/LSI IPR#2 GO/NO-GO
PM/LSI IPR#3 SDD Baseline
PM/LSI LSI IPR#1
PM/LSI LSI IPR#2
PM/LSI LSI IPR#3
Board Industry Announcement (BIA) Status

• More Than 2,900 BIA Responses Received
• 43 Evaluation Teams Participated in the Down Select
• 195 Individual BIA Candidate Responses Selected for Award
• 165 SOW’s Generated from Candidate Responses
FCS Geographical Locations Of Awards

<table>
<thead>
<tr>
<th>Type</th>
<th>Count</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large</td>
<td>42</td>
<td>$9.47M</td>
</tr>
<tr>
<td>Small</td>
<td>32</td>
<td>$1.58M</td>
</tr>
<tr>
<td>Foreign</td>
<td>9</td>
<td>$0.22M</td>
</tr>
<tr>
<td>EDU</td>
<td>3</td>
<td>$0.33M</td>
</tr>
<tr>
<td>Gov</td>
<td>7</td>
<td>$0.44M</td>
</tr>
<tr>
<td>Non Pr.</td>
<td>1</td>
<td>$0.17M</td>
</tr>
<tr>
<td>94</td>
<td></td>
<td>$12.18M</td>
</tr>
</tbody>
</table>

- 2 NW = $0.03M
- 11 M = $1.26M
- 21 SW = $3.90M
- 10 MW = $1.20M
- 31 NE = $4.83M
- 11 SE = $0.74M
- 9 International = $0.22M