



Chemical and Biological Protective Shelter (CBPS)

A Program for Our Times

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Agenda

- **CBPS System Overview**
- **Evolutionary Capability**
- **Up-Armor Initiative**
- **A Single Design?**
- **So Why a Partnership Success**
- **Closing Thought**





CBPS System Overview



Fielded Hydraulic CBPS-M1

Mobile system that can be operationally deployed in 20 minutes (40 minutes in C/B environment) to provide medical user with a C/B protected and environmentally controlled medical space to execute the mission without the encumbrance of individual protective clothing and equipment



Evolutionary Capability

- **Integrated Product Team recommendation: incorporate electric-based solution**
 - 64 hydraulic CBPS-M1 systems deployed showed reliability issues
- **DRS Sustainment Systems, Inc. (DRS)**
 - Electric CBPS on un-armored HMMWV platform
 - “Retrofit” existing hydraulic CBPS-M1 fleet to electric design
- **Smiths Detection, Incorporated (SD)**
 - Contract award for new electric variant on un-armored HMMWV platform



Up-Armor Initiative

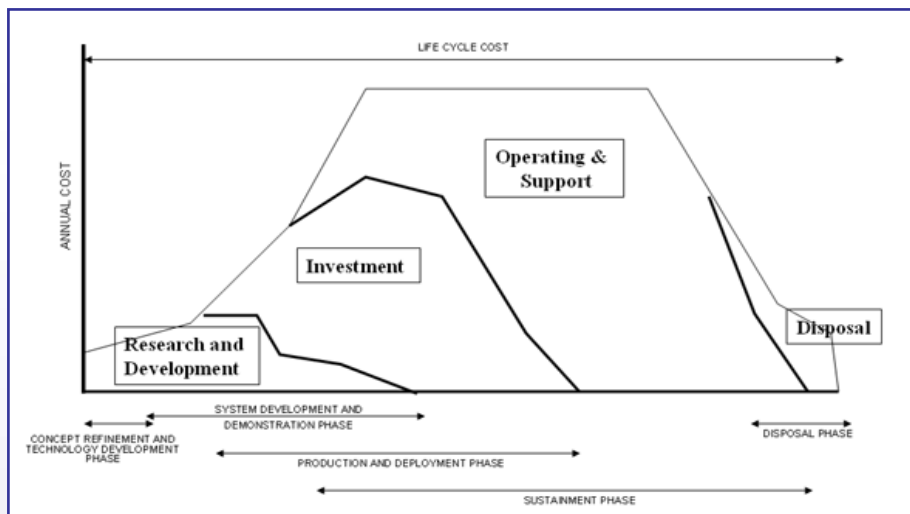
- Army up-armor capability became a priority during the DRS and SD electric design efforts
- CBPS program conducted *Up-Armor Trade Study* analysis
 - Recommended Medium Tactical Vehicle (MTV)
- JPEO-CBD approved
- Armored Data Interchange System Summit approved





Two Designs...Two Bills

- **DRS and SD to produce separate designs**
 - On same up-armored MTV platform...but with two configurations
- **No commonality of major CBPS components**



Illustrative Program Life-Cycle

- Two sets of operator configurations
- Two sets of logistics/supply chains

Is a single design partnership possible?



Partnership

- **DRS and SD approached about “single design”**
- **Recognized benefits to the Government...but does it benefit each company?**
- **Initially cautious...but continual progress**
 - Required changed worldview from both sides
 - Unprecedented data exchanges
- **Government involvement minimal**





Partnership

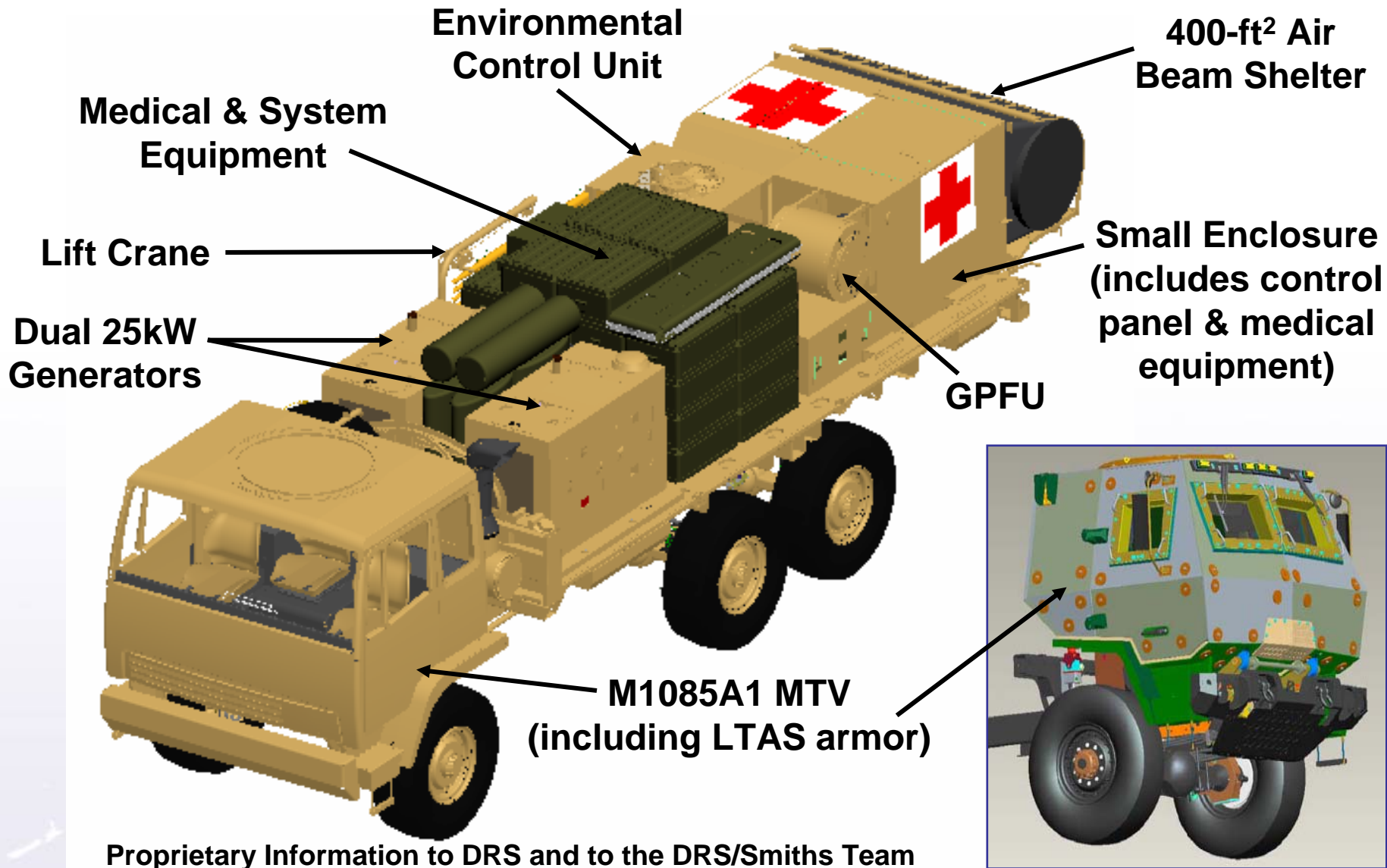
- **Partnership formation objectives**
 - Provide best value system to the Government
 - Equitable work / revenue share
 - Maintain existing contractual arrangements
- **Intense discussions over several months**
- **Outcome: DRS and SD agree to joint CBPS-M4A teaming arrangement**

An Acquisition Success Story

**Flexibility and innovation to benefit the Warfighter...
while strengthening the Industrial Base**

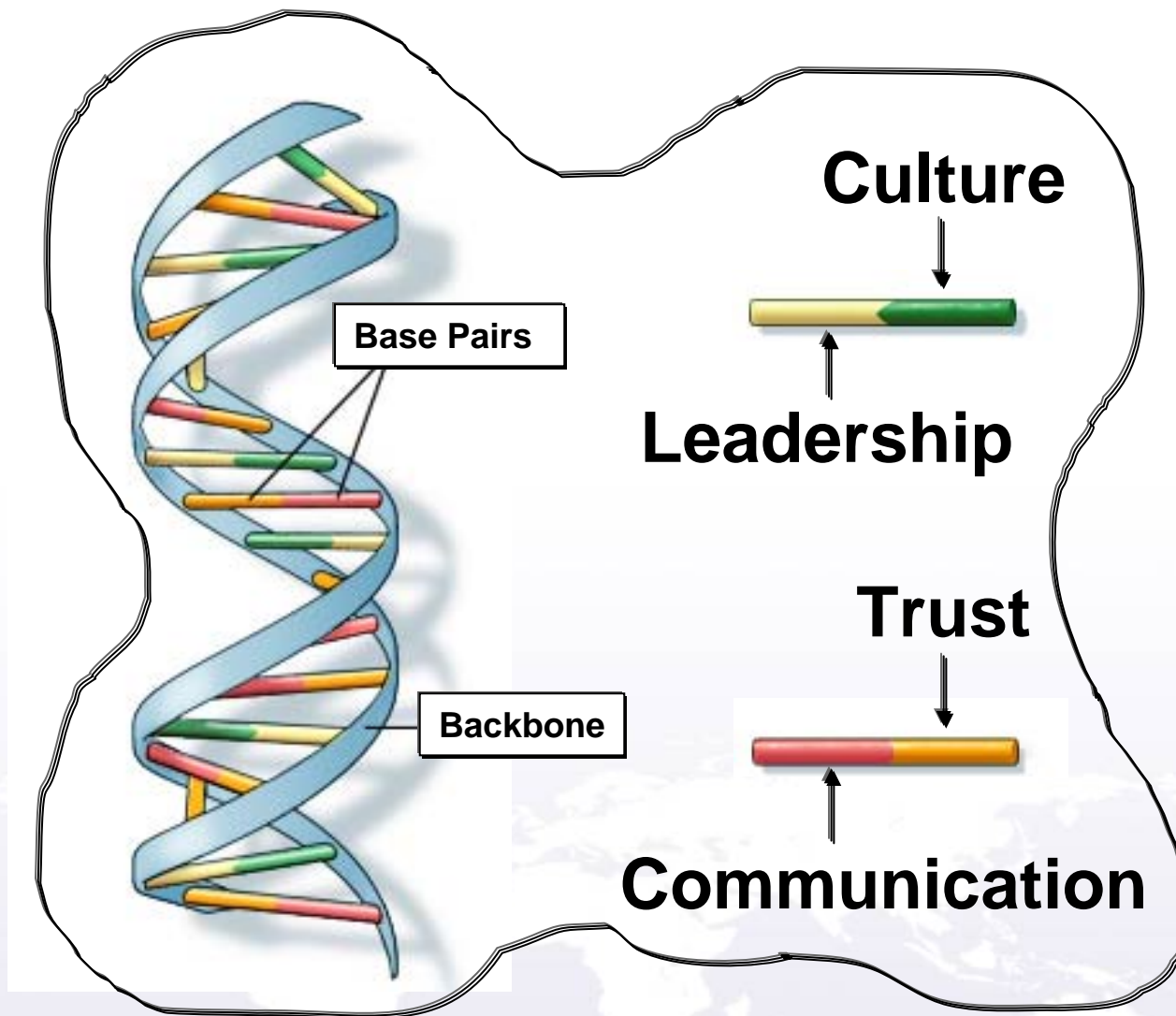


CBPS-M4A Single Design





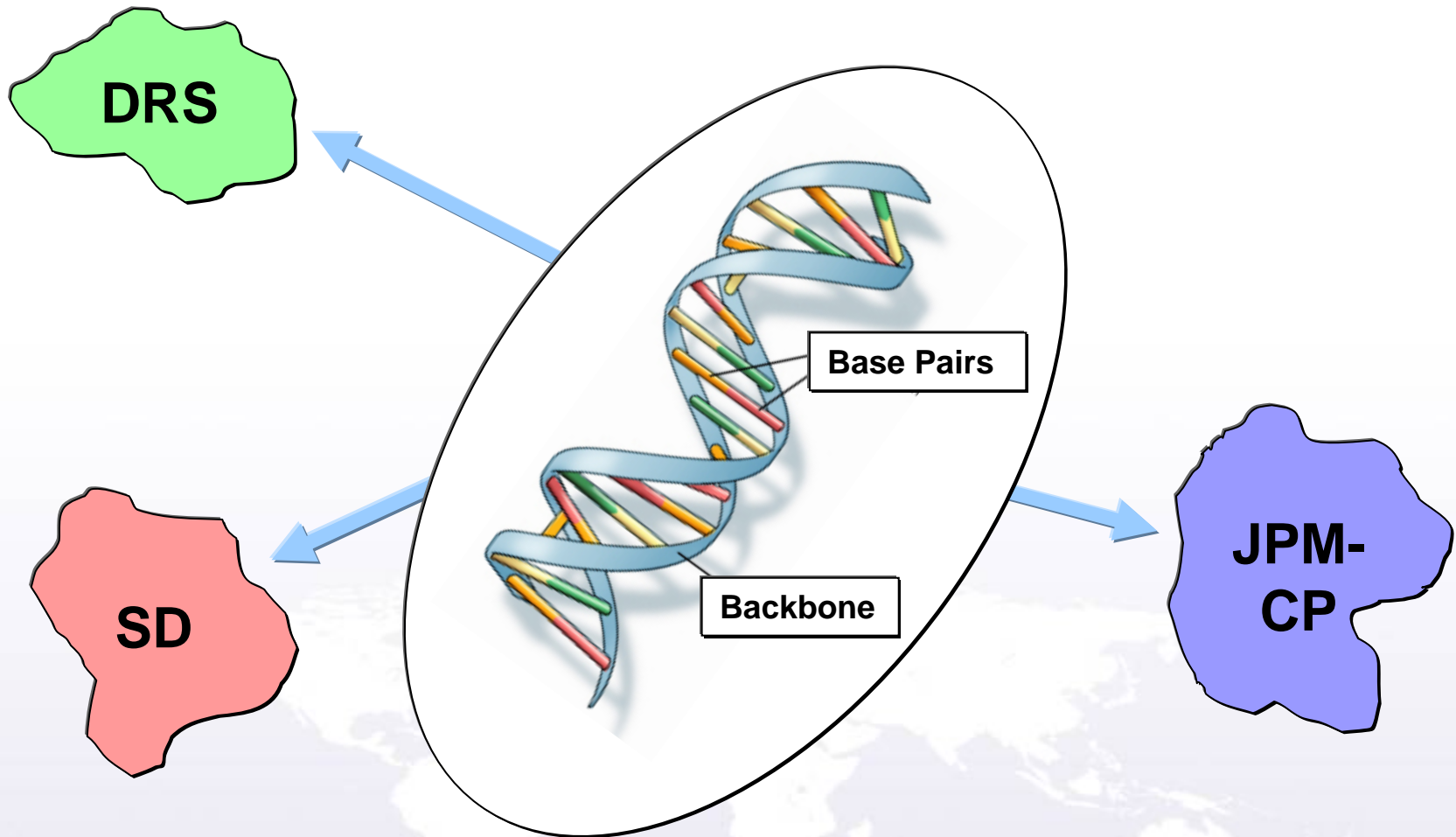
So Why a Partnership Success



Base-Pair Change Model



So Why a Partnership Success





Summary

- **“Out of the box” acquisition approaches are encouraged**
 - Recognized that one size does not fit all
- **CBPS-M4A an example of what’s possible**
 - Not the easy solution...but most beneficial
- **Adhering to “base-pair traits” will enhance probability of success**





“As our case is new, so we must think anew, and act anew.”

President Abraham Lincoln, 1862





Questions?

