



*U.S. Army Research, Development and Engineering Command*



***TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.***

**PACOM S&T Conference**

**BG Harold Greene**

**Deputy Commanding General, RDECOM**

**18 MARCH 2010**



# RDECOM Forward Elements



## European Division

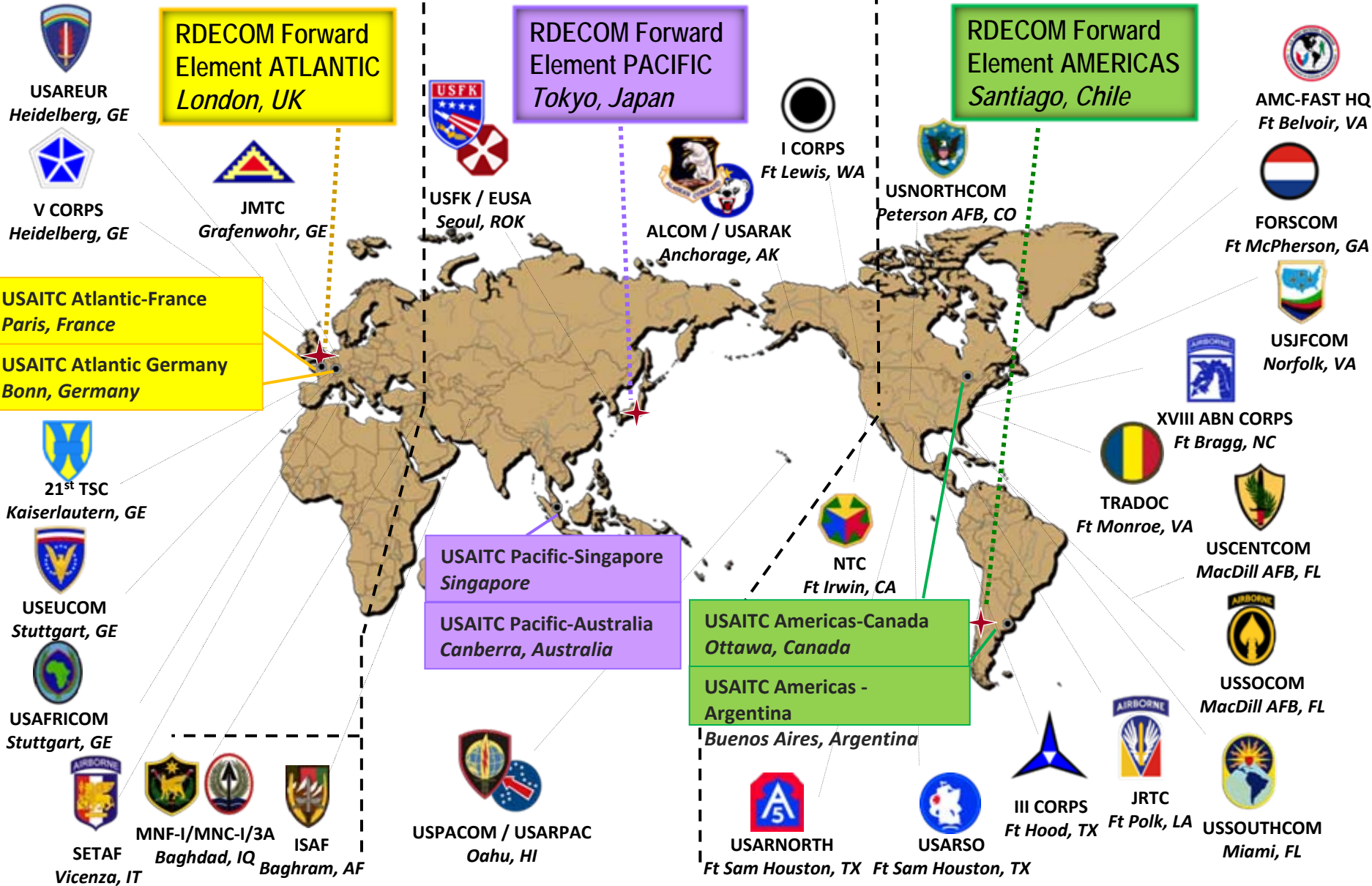
## Pacific Division

## Central Division

**RDECOM Forward Element ATLANTIC**  
London, UK

**RDECOM Forward Element PACIFIC**  
Tokyo, Japan

**RDECOM Forward Element AMERICAS**  
Santiago, Chile



USAREUR  
Heidelberg, GE

V CORPS  
Heidelberg, GE

JMTG  
Grafenwohr, GE

USAITC Atlantic-France  
Paris, France

USAITC Atlantic Germany  
Bonn, Germany

21<sup>st</sup> TSC  
Kaiserslautern, GE

USEUCOM  
Stuttgart, GE

USAFRICOM  
Stuttgart, GE

SETAF  
Vicenza, IT

MNF-I/MNC-I/3A  
Baghdad, IQ

ISAF  
Bagram, AF

USFK / EUSA  
Seoul, ROK

ALCOM / USARAK  
Anchorage, AK

USAITC Pacific-Singapore  
Singapore

USAITC Pacific-Australia  
Canberra, Australia

USPACOM / USARPAC  
Oahu, HI

I CORPS  
Ft Lewis, WA

USNORTHCOM  
Peterson AFB, CO

NTC  
Ft Irwin, CA

USAITC Americas-Canada  
Ottawa, Canada

USAITC Americas -  
Argentina  
Buenos Aires, Argentina

USARNORTH  
Ft Sam Houston, TX

USARSO  
Ft Sam Houston, TX

III CORPS  
Ft Hood, TX

JRTC  
Ft Polk, LA

USSOUTHCOM  
Miami, FL

AMC-FAST HQ  
Ft Belvoir, VA

FORSCOM  
Ft McPherson, GA

USJFCOM  
Norfolk, VA

XVIII ABN CORPS  
Ft Bragg, NC

TRADOC  
Ft Monroe, VA

USCENTCOM  
MacDill AFB, FL

USSOCOM  
MacDill AFB, FL

Technology Search

UAVs

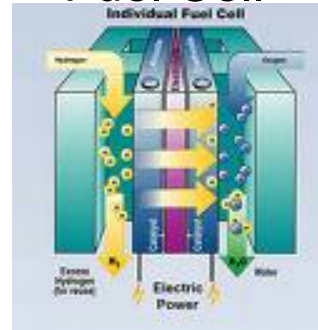


Robotics

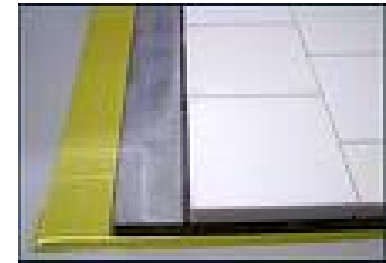


International Agreements

Fuel Cell



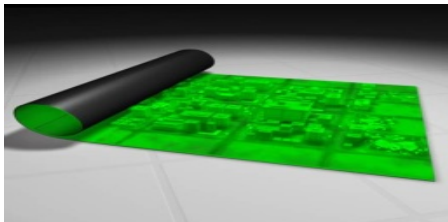
Armor



American, British, Canadian, Australian and New Zealand Armies' Program



"Optimizing Coalition Interoperability"  
[www.abca-armies.org](http://www.abca-armies.org)



Holographic Maps



Standardization and Interoperability

Field Assistance in Science and Technology (FAST) Advisors



# Soft Power – PAC Engagement



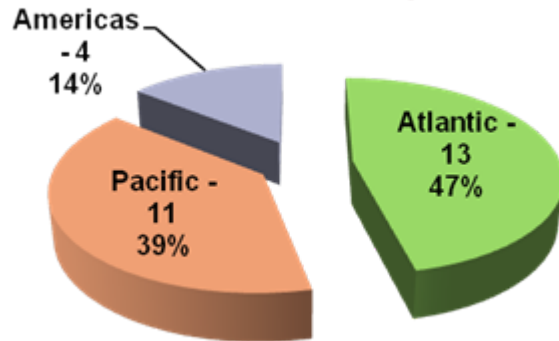
Technology Focus Areas
Survivability / Lethality
Networks
Sensors
Power and Energy
Mobility / Logistics
Human Dimension / Training



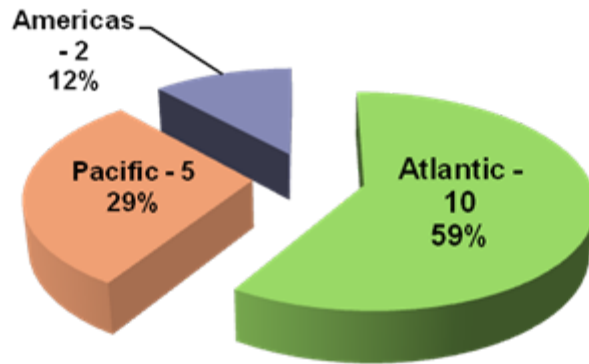
Regional Partners	Data Exchange Annex	Project Agreements
Japan	13	0
Australia	12	0
Korea	10	2
Singapore	8	2
India	3	0
Taiwan	3	0

Upcoming Events / Initiatives
Multi Autonomous Ground-robotic International Challenge (MAGIC 2010)
Project Agreement with Singapore on Portable Fuel Cell Technology – P&E for deployment
More ESEPs and FAST Advisors Assigned to AOR

## ESEPs by AOR



## ESEPs by AOR in U.S.



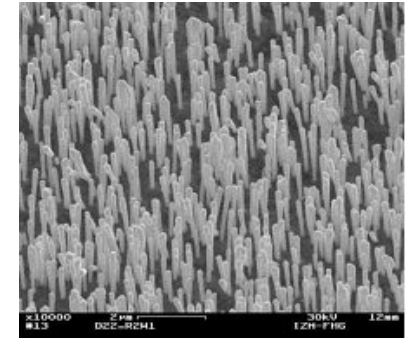


## RDECOM - Seed Funds:

- Thin Film Materials For Photo Voltaic Applications
- Experimental study of the dwell-penetration transition in various types of ceramic armor materials



MEMS



Nano Materials

Armor Development



Power and Energy

## RDECOM - Conference Support:

- International Conference on Nano/Micro Engineered and Molecular Systems (IEEE-NEMS 2010)
- Western Hemisphere Information Exchange Alternative Fuels & Unmanned Systems Conference





- Major investments in relationships with MOD's throughout AOR
- FAST Advisors imbedded with warfighters to link emerging requirements with near-term solutions
- Extensive work with academic community in India, Singapore, Hong Kong, and Japan on Fuel Cell, photo-voltaic and storage power technology
- International Agreements / S&T Collaboration
- Mil to Mil Engagements, Personnel Exchanges
- Seed Funding, Conference Support, S&T Grant Funding
- Tech Search

## Results:

- R&D cost savings
- Strong Regional Relationships
- Support to COCOM and ASCC Theater Security Cooperation Objectives