

RUSI Alternative Energy and Sustainability Workshop Series

Alternative Fuels and Energy Resources

23 September 2009

0930 - 1040 **Session One:** Military Requirements and International Initiatives

Chair: **Elizabeth Quintana**, Head, Technology & Acquisition, RUSI

Speakers: **Matt Whittington**, Technical Manager, Expeditionary Campaign Infrastructure, DE&S, Ministry of Defence, UK (tbc)
'Energy Requirements for Main Operating Bases'

Group Captain Nigel Arnold, Defence Fuels Group, DE&S, Ministry of Defence, UK
'UK's Energy Strategy'

Discussion Session

1040 - 1110 Morning Tea and Coffee

1110 - 1300 **Session Two:** Alternative Fuel Technologies

Chair: **Dr Lisa Aronsson**, Head, Transatlantic Programme, RUSI

Speakers: **Chris Malins**, Communications Director, Renewable Fuels Agency
'Understanding the Impact of Alternative Fuels'

Bob Saunders, Biofuels Policy Consultant, BP
'Next Generation Bio-Fuels'

Dr Jon Moore, Director of Communications, Intelligent Energy
'The Hydrogen Economy: Technologies and Considerations'

Jim Woodger, Biorenewable Technology Specialist, UOP Ltd.
'Commercial Technologies for Green Jet Fuels'

Discussion Session

1300 – 1345 Lunch

1345 – 1515 **Session Three:** Applications for Dismounted Soldiers

Chair: **Olivier Grouille**, Head, Land Capabilities Programme, RUSI

Speakers: **Tony Bui**, Materials Engineer, CERDEC C2D, Army Power Division, United States Army
'Next-Generation Batteries for the Dismounted Soldier'

Ian Whiting, QinetiQ
'Batteries and Fuel Cells for the Dismounted Soldier'

Celia Greaves, Energy Generation and Supply Knowledge Transfer Network, Technology Strategy Board
'Next Generation Fuel Cells'

Discussion Session

1515 - 1545 Afternoon Tea and Coffee

1545 - 1715 **Session Four: Requirements and Trends for Different Platform Types**

Chair: **Elizabeth Quintana**, Head, Technology & Acquisition, RUSI

Speakers: **Alastair Hobday**, Rolls Royce
'Fuel Requirements and Options for Maritime Platforms'

Catherine Hutt, Business Development Manager, Electric Vehicles, Society of Motor Manufacturers and Traders
'Fuels, Fuel Cells and Batteries for Road Vehicles'

Kevin Morris, SBAC
'Alternative Fuels for Aviation'

Discussion Session

1720 - 1730 Concluding Comments

Chair: **Elizabeth Quintana**, Head, Technology & Acquisition, RUSI

Speaker: **Group Captain Nigel Arnold**, Defence Fuels Group, DE&S, Ministry of Defence, UK
'Summary & Next Steps'
