CZECH AEROSPACE MISSION TO THE UK, 24 – 26TH MAY 2011

COMPANIES REPRESENTED:

Aero Vodochody

www.aero.cz

- Established in 1919,
- AS/EN 9100, EASA Part 21J (DOA), Part 21G (POA), NADCAP (Chemical Processes, NDT, Heat Treatment)
- Total area: 684,784 m^2; Production area: 63,074 m^2

Capabilities:

- Engineering & industrialization
- Conceptual Design & Testing
- Tooling design and manufacturing
- Fabrication, Machining, Cold Forming
- Composites
- Hydraulics - Actuators
- Special processes
- Assemblies and system installations
- Wire harnesses
- Aircraft painting

Products:

- Complete helicopter assembly and system integration
- Wings, doors, fuselage sections
- Landing gears
- Production and sales L-159
- Integrated training solutions
- MRO, overhauls and upgrades L39/L59/L159

Aircraft Industries

http://www.let.cz/index.php

- Established in 1936
- AS 9100, Part 21 DOA, POA, EASA.21J.119/2007, Part 145, 147, ISO 9001:2000, AQAP 2110
- 6,090 m^2 assembly hall, 2,470 m^2 hall for final painting, 3 other halls for shaping and machining large components, welding, riveting, chemical and heat surface treatment

Capabilities:

- Aerostructure – larger assemblies, final integration of parts/components/subassemblies
- Machining, Welding, Riveting
- Surface and heat treatment
- Ground testing and flight testing capabilities

Products:

- L-410 Aircraft - 19 seat turboprop commuter aircraft with outstanding technical parameters and operational reliability, easy handling and simple maintenance
- Modernisation of L410 Programme

Brno University of Technology; Institute of Aerospace Engineering

http://lu.fme.vutbr.cz

Capabilities:

- Aerodynamic analyses (using CFD)
- Stress analyses of lightweight structures (using FEM – static and dynamic analyses including geometrical and material non-linearities)
- Structural testing (static and fatigue testing)
- Design of aerospace structures (CAD tools)
- Safety and reliability analyses
- Modern materials and technologies in aerospace

Frentech

www.frentech.eu

- Established in 1994;
- EN9100, QSF-A
- Production area 2400 m^2, assembly premises 400 m^2, clean room, new offices

Capabilities:

- Precision machining (aluminium, titanium, stainless steel)
- Assembly; ESA/ESO projects; Design; Technology consulting

Products:

- Parts for Airbus (structure, autopilot, pressure control)
- Mechanical parts and assemblies
- Satellites (milled and turned parts)

Jihlavan

www.jihlavan.com

- Established in 1952;
- AS9100, ISO 9001:2008, EASA Part-21 G, EASA Part-145
- Production area: 30.000 m^2

Capabilities:

- Hydraulic components and electro-mechanical drives
- MRO of hydraulic components for aerospace industry
- Production of machine parts (INCONEL, Titanium)
- NDT and special processes

Products:

- hydraulic actuators, accumulators, reservoirs, valves
- hydro-pneumatic shock absorbers (NLG)
- electro-mechanical drives
- machine parts (aircraft engines, door mechanisms)

SEKO edm

www.sekoedm.cz

- Established in 1991
- AS9100, NADCAP (Nonconventional machining)

Capabilities/Products:

- Aircraft engine components
- Highly accurate quality control using advanced 3-D measuring devices

REPRESENTED CLUSTERS AND ASSOCIATIONS:

Moravian Aerospace Cluster (MLK)

www.aero-cluster.cz

- 23 members
- A network of aviation companies in Moravian region facilitating joint R&D activities and enhancing cooperation with national and international partners
- Key entities: Brno University of Technology, 5M, Aircraft Industries, Mesit Instruments and Evektor

Czech Space Alliance (CSA)

www.czechspace.eu

- 18 members
- CSA is an officially recognised association of Czech SMEs in the space industry founded in 2006
- It comprises the bulk of the Czech space industrial activities, as underlined by the fact that its members won 80% of tenders for the open call under the European Space Agency/Czech industrial incentive scheme