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| **GIFAS Japan Mission 2016** | | |
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| **Registered participants on September 12th** | | |
|  | **COMPANY** | **DESCRIPTION** |
| **1** | **Air Liquide Advanced Technologies** | Important activity in the field of Space and Aerospace through Air Liquide advanced Technologies (parallel to the traditional activity of industrial gases):  - cryogenic tanks for launchers,  - cryogenic launch pad infrastructures, - space simulation chamber, - cryocoolers for orbital systems, - mini-coolers and associated gas vessels for infrared detectors, - breathing equipment (smoke hoods...), - portable oxygen cylinders (POCA and pulse system), - onboard oxygen or azote generating systems (OBIGGS - OBOGS) and ground support gas generators, - gases regulators and analysers, - technical support: testing, maintenance and repair and maintening equipment in operational conditions.  Air Liquide is also the partner of the future launcher Ariane 6 for onboard and on the ground cryogenic systems. |
| **2** | **AIRBUS GROUP** | AIRBUS Group, with its Divisions Airbus, Airbus Defence and Space and Airbus Helicopters, is a global leader in aerospace, defence and related services, employing around 136,600 people at more than 170 sites worldwide, and generated revenues of €64.45 billion in 2015 |
| **3** | **AIRBUS SAFRAN LAUNCHERS** | ASL is in charge of developing the future Ariane 6 launcher. |
| **4** | **ALKAN** | **Aircraft armament** Airborne carriage and release systems (cold gas and pyrotechnic technologies) - Bomb-racks and multi-purpose aircraft pylons - Release and ejector release units - Multiple store carriers - Target towing systems - Pyrotechnic initiators - counter measure equipment   **ASW equipment** Sono-buoy launchers - Torpedo-launchers - Weapon control and monitoring systems  **Ground handling and test equipment**  Winches for weapon loading and aircraft servicing applications - Engine handling equipment and test benches - Engine and armament trolleys |
| **5** | **AXON CABLE** | Design, production and sales of conductors, equipment wires, composite cables and mini-systems for electronics, passive components, assemblies, harnesses and related connections including MIL-STD-1553 data bus harnesses, high data rate links, overmoulded cable assemblies.  Design, production and sales of connectors, specific interconnection components and related accessories. |
| **6** | **DAHER** | Daher is an equipment manufacturer that develops Integrated Industrial Systems for aerospace and advanced technologies  For aerospace and defense sectors, Daher has established itself as a leader in three complementary areas of activity: aircraft manufacturer, aerostructures & systems, integrated logistics.  **Aircraft manufacturer**: TBM 900 (the world’s fastest single-engine turboprop aircraft), TBM MMA, Maintenance Repair and Overhaul, retrofit, Product Engineering Support.  **Aerostructures & Systems:** six lines of aerostructure products (wings and empennage, doors, propulsion & underwing, airframe, fairing, special products) and a line of defense equipment products (shelters & containers).  **Integrated logistics:** four lines of services (transport, logistics, industrial services, lead logistics & services provider) to secure and optimize plant and projects supply chains. |
| **7** | **FINAERO** | STTS Group : Painting and sealing for aircraft. - AIP : Design and assembly of aircraft interior monuments  CIEE : harnesses and cables |
| **8** | **Fives Machining** | **- Machine-tools and machining systems** (titanium, aluminium): High power milling centers, Large vertical gantry mills, high-speed machining centers, profilers, stack routing machines, boring mills and vertical turning lathes, milling & turning centers, automated drilling units and portable milling machines.  **- Composite solutions:** automated composites processing systems: tape layers systems, fiber placement systems, combination, routing and finishing machines for complex aerospace parts.  **- Aerospace drilling:** Automated drilling units, pneumatic, Elec, Full Elec integrated.  **- High power laser based-systems:** 5-axes laser center for welding and cutting.   **- 3-D printing:** 5-axes laser centers for additive manufacturing.  **- Global Services**: a full range of services dedicated to the performance of machines throughout their life-cycle: refurbishment, rebuilding, retrofit (NC & PLC), sub-assembly repair, industrial transfer, technical & customer support, spare parts, predictive maintenance, training approved, expertise & certifications, process / machine upgrade. |
| **9** | **HEXCEL Composites** | Lightweight high performance carbon fibres, technical fabrics, composite materials and engineered structures for commercial aerospace, space and defence, recreation and general industrial markets.  Production of Hexcel Reinforcements as the base for prepregs using epoxy, phenolic and BMI matrices. Impregnation single tows, UD materials, socks tapes and preforms. Textile reinforcements and resins for the production of high performance composite parts using the Resin Transfer Moulding process. |
| **10** | **HUTCHINSON** | **High performance thermal and acoustical insulation.**  **Materials:** Manufacturing of films, foams and calendered complexes, coated fabrics, adhesive materials. Design and conception of new materials.  **Interiors systems:** Complete thermal and acoustic insulating systems of fuselage, air conditioning pipes, underfloors of aircraft and helicopter.  **Soft and Rigid Equipment:** Thermal and acoustic protection systems, fire shields, for structures, ducts, fluid transfer systems, exhausts, tanks and other components.  **Space applications:** Design and production of material and equipment for launchers and satellites. |
| **11** | **JACQUES DUBOIS** | Designer and manufacturer of EMI/RFI (electromagnetic/radiofrequency interference) shielding products and services.  **Main product lines:** Knitted gaskets, conductive elastomers, shielded vents, EMI windows, contact strips, sealing and conductive gaskets, cable shielding, conductive glues and paints, architectural shielding solutions, RF & microwave absorbers, conductive adhesives, RFID shielding solutions. |
| **12** | **LATECOERE** | **Design and manufacturing of airframe sub-assemblies and electronic equipment.**  Main Customers: Airbus, Airbus Group, Boeing, Bombardier, Dassault Aviation, Embraer. Aerostructures: Design and manufacturing of doors and fuselage sections. Interconnexion systems: Electrical wiring, harnesses and electrical racks. Electronic vision (video cameras, Landscape...). Airborne equipment.  **Engineering and Services :**  Design of Aerostructures and onboard wiring. Services in industrialization, tooling, measurement systems,…. |
| **13** | **MBDA** | **Missile systems for the full range of operational needs** of the three armed forces (land, sea and air). Range of 45 missile systems and countermeasures products already in operational service and more than 15 others currently in development. Beyond visual Range Air-to-Air Meteor missile, missiles family of surface to air and antimissile ASTER, Exocet anti-ship missile, MICA multi-mission air-to-air missile  and ASRAAM for close air combats, MILAN and MMP missiles for the battlefield engagement, ASMPA missile for nuclear deterrence, Mistral short range air-defence missile, Storm Shadow/SCALP European cruise missile, and a maritime version MdCN.  **Mastering the key technologies** essential for defence systems, such as aerodynamics and lethality, stealth, simulation, ramjet propulsion, the entire range of navigation technologies, image processing and the guidance and control technologies used in programmes such as Storm Shadow/SCALP EG, ASTER, Meteor, MICA et Exocet. |
| **14** | **MECACHROME** | Structural parts. Engine parts. Thrust reverser parts. Landing gear parts. Space activities. Engineering and Design activities. |
| **15** | **MECAPOLE** | MECAPOLE is an integrated network of mechanical companies with a common family reference shareholder. Building on its technological know-hows MECAPOLE provides its customers with process and product manufacturing (re)engineering innovative solutions.  **PRECISION MACHINING AND MICROMECHANICS:** HEPHAISTOS (Ets LABASA et AMB-Ateliers Mécanique de Bussière) manufactures mechanical parts and complex subassemblies as tier-1 contractor for leading aeronautics and space customers (AIRBUS DEFENCE AND SPACE, LIEBHERR, SAFRAN, ZODIAC…). The group operates under quality control delegation and provides a complete range of services (material procurement, machining, treatments and surface protections, quality check, assembly and tests).  **SHEET METAL WORKS:** SLTS designs, manufactures and commercializes sheet-metal parts and assemblies for both defense and aerospace industries. Major clients include BOMBARDIER, NEXTER, SAFRAN, THALES and ZODIAC…) for whom SLTS may provide comprehensive developments support through its R&D and prototyping departments. The company has a production site in Morocco.  **Coating solution, thermal spraying and elastomers:** APS group (APS COATING SOLUTIONS, BENITIS, SICORE, TETRACHIM and ITC ELASTOMERES) designs and applies technical dry coating solutions for the aerospace (AIRBUS, SAFRAN, ZODIAC…) and defense (MBDA, NEXTER…) industries. APS masters liquid and powder polymer projection, tempered-centrifuged, HVOF, plasma, cold-spray metal and ceramics thermal spraying, vacuum plating and surface grinding. |
| **16** | **NEXEYA** | **Test and Integration Solutions**  - Integration and validation of complex systems - Command and control solutions - Programing suites for testing applications. - Telemetry - Electrical Interconnect system testing with fault localization - Antistatic coating controller.  **Mission Management Systems**  **-** Modular ISR solutions- Command and control systems- Combat management- Radar and tactical situation simulators- Rugged equipment design and integration (Video, Radar, calculators…).  **Space Systems**  - Electrical hardware and harness- Thermal hardware- Composite structures- Assembly Integration and test- Small Satellite ready to fly- Serial production for constellations.  **Power Conversion**  - AC-DC, PFC and DC-DC converters- Static inverters- Energy systems- Electrical motor control- Actuators- Energy and battery management systems- Products and OEM solutions.  **Customer Support**  - Through-life support of military systems, subsystems and equipment: Weapons systems and equipment, radars, electronic equipment- Third-party maintenance: SCADA\*, test benches, IT infrastructures, command-control systems, facility management- Consulting and Expertise: Operational consulting, test and product engineering. |
| **17** | **NICOMATIC** | NICOMATIC is a 100% integrated designer and manufacturer of innovative interconnect solutions and standard or custom components for harsh environment (MIL-DTL-55302F, MIL-DTL-83513G…) : -    High performance plastic rectangular micro-connectors (High T° 260°C, shock & vibration…), low profile and high density package. -    Metal In/Out rectangular micro-connectors. -    Micro-circular connectors. -    High power (30A), high frequency (11GHz), and signal miniature contacts. -    Harness, sub-assemblies & wiring service. -    Covers, hoods and backshells. -    Custom made connectors (sealed, hermetic, board stacking, built-in, feedthrough, multi-cavities, blind-mating…). -    FFC cables, jumpers & interconnect solutions for flexible circuits. -    Commutation components for man-machine interface. -    Connector accessories and crimping tools. |
| **18** | **NYCO** | Specialty lubricant and synthetic esters for Aeronautics, Defence and Industry.  Our lubricants are qualified and approved by engine manufacturers, OEMs and authorities, complying with international specifications (SAE, MIL-PRF-...).  **NYCO Aeronautics:**  - Turbine oils for power plants, APU and other,  - Hydraulic fluids for systems and landing gear absorber,  - Multipurpose and specific greases.  **NYCO Defence:**  - Military lubricants for Air, Ground & Navy Forces,  - Ground gas turbines lubricants. |
| **19** | **PRISMADD** | Additive manufacturing |
| **20** | **PARIS SAINT DENIS AERO** | Ferrous and non-ferrous alloys storage and distribution for aerospace prime contractors and sub-contractors.  **Approvals:** AS 9120A - SJAC 9120 - EN 9120 - ISO 9001 |
| **21** | **RATIER FIGEAC – UTC AEROSPACE SYSTEMS** | **Propellers** Design and manufacturing of aircraft propellers in cooperation with UTC Actuation & Propeller Systems for civil and military applications.  **Cockpit and Cabin equipment** Side stick, throttle quadrant units, complete pedestal rudder pedals, pax door damper actuator, rotor brake system and propeller brake.  **THSA** Trimmable Horizontal Stabilizer Actuator system.  **Subcontracting** Helicopter vital parts machining, subcontracted engineering.  **Repair and overhaul** Propellers, cockpit and cabin equipment, THSA. |
| **22** | **RELLUMIX** | **Fuel filtration** (2 to 500 microns) **:**  - Fuel filters and distribution systems  - Coalescent elements  - Strainers  - Engine protection filters  - Helium filters for space launchers  **Hydraulic filtration for turbines**  **Air filtration** :  - Fuel tankers protection filters/ hydraulic  - Starter filters  **Water treatment :**  - Aircraft cleaning : waste water treatment - Polluted water treatment  **Systems :**  - Fueling systems for aero engines tests benches  - Helicopter refueling systems (land, boat, offshore platforms) - Autonomous fueling systems - Autonomous refueling unit in container ISO 10, 20 or 40 feet - Safety couplings and fitted valves for space launchers  - Air breathers - Duplex valves |
| **23** | **SAFRAN** | Safran is a leading international high-technology group with three core businesses: Aerospace, Defence and Security. Operating worldwide, the Group has over 70,000 employees and generated sales of 17.4 billion euros in 2015. Working alone or in partnership, Safran holds world or European leadership positions in its core markets. |
| **24** | **SECAMIC** | **Spare parts**  Logistic support to clients using French made equipment, mainly aircraft and helicopters. Sale and resale of spare parts of all types either new from OEM production or certified second hand spare parts from government depots.  **Services and Maintenance**  Logistic and Maintenance services for equipment or systems.  **Acquisition and resale of second aircraft and helicopters**  Acquisition and resale of second hand aircraft and helicopter after necessary overhaul and requested retrofits. |
| **25** | **SEREME** | **Test rigs**  - Design & delivery of vibrations, acoustic and aero acoustic test solutions. - Reaction masses and civil infrastructure of dynamic test rigs. - Vibration test fixtures. - Noise generators. - Reverberating Acoustic Test Chambers. - Feasability studies of new test laboratories. - Design and delivery of microvibration measurement and/or test solutions MGSE (adaptors, clamp bands...). |
| **26** | **SOCOMORE** | Development, manufacturing and commercialisation of expert solutions for the transport industries since 1972. In order to prepare and protect metals and composite materials through the following product ranges:  • CIC (Corrosion Inhibiting Compound) • Descaler • Paint strippers and plastic medias • Degreasers and cleaners • Deoxidisers • De-waxing • Engine line • Pre-saturated and technical wipes • Chemical milling maskants • Formulated solvents for diverse applications • Sol-gel • TPC (Temporary Protection Compounds) • Releasing agent |
| **27** | **SPEMA** | **Design, manufacturing and assembly of High precision mechanic.**  **Products:** Series, prototype parts, small, tooling, sub-assemblies.  **Machining:** Milling, turning, EDM: die sinking and wire cutting, CN profile grinding, flat and cylindrcal grinding, water jet cutting.  **Business activities:** Defense, Aeronautic, oil industry, automotive, medical, nuclear.  **Approvals**: ISO 9001 - EN9100. |
| **28** | **THALES** | A global technology leader in the Aerospace, Transportation, Defence and Security markets.  In 2014, the company generated revenues of €13 billion with 61,000 employees in 56 countries.  With its 25,000 engineers and researchers, Thales has a unique capability to design, develop and deploy equipment, systems and services that meet the most complex security requirements.  Thales has an exceptional international footprint, with operations around the world working with customers and local partners. |
| **29** | **TRESCAL** | **A** **global specialist in calibration services**: a unique "One-Stop-Shop" offer for management of measurement processes and equipement:   * + vérification, calibration and repair   + asset management and optimisation   + calibration management software   + implementation and acquisition of measurement systems   + engineering, training and support on measurement processes   + design and manufacturing of test benches for civil and military systems   Established in 20 countries through a network of over 180 plants and calilbration laboratories.  In France, the group services its industrial customers through 17 sites and 50+ satellites.  Several laboratories accredited by national bodies: |