

### AVIC delegation, 24-26 March 2015

N.	Name	Sex	Company	Title
1	Wang Kai	Male	AVIC Electromechanical Systems Co., Ltd	Vice Director
2	Li Shiqiu	Male	Nanjing Engineering Institute of Aircraft Systems, Jincheng, AVIC	Vice President
3	Tang Yao	Female	Nanjing Engineering Institute of Aircraft Systems, Jincheng, AVIC	Interpreter
4	Gao Aming	Male	Qing An Group Co., Ltd.	Vice General Manager
5	Gao Yakui	Male	AVIC The First Aircraft Institute	Vice Chief Engineer
6	Chai Jianzhong	Male	AVIC The First Aircraft Institute	Director

#### AVIC Electromechanical Systems Co., Ltd

The company was formerly known as Hubei Aviation Precision Machinery Technology Co., Ltd. and changed its name to AVIC Electromechanical Systems Co., Ltd. in February 2014. AVIC Electromechanical Systems Co., Ltd. operates as a subsidiary of Aviation Industry Corporation of China.

AVIC Electromechanical Systems Co., Ltd. is a China-based company principally engaged in manufacture and distribution of aviation electromechanical products and automotive components. The Company's main products are air condition compressors, seat recliners, seat tracks power transmission system components and shift gearbox forks, among others. Its products are applied in aviation manufacturing, automobile manufacturing and other manufacturing industries. The Company distributes its products in domestic and overseas markets.

The onboard-equipment subsidiary of Avic provides electrical systems for such aircraft as the [C919](#) mainline narrowbody airliner, [ARJ21](#) regional jet, MA60 regional turboprop and the AG600 amphibious aircraft.

Avic Electromechanical is currently working on 600 projects and has achieved 30% annual revenue growth over the past four years. It is unclear how many of those projects and how much of the revenue are in aviation. The Avic group is highly unfocused, with many factories making consumer and industrial products that have nothing to do with aircraft.

Like sibling Avic Avionics, Avic Electromechanical is greatly challenged in entering the global market for aircraft systems, mostly because it is used to making equipment for the Chinese military and has no experience in systems that can achieve internationally recognized airworthiness certification. Another big challenge is achieving the reliability and supportability that civil customers demand.

The unit says it is placing great emphasis on research and innovation. "We can only take the path of technological innovation," says Chairman Wang Jian. Research efforts have resulted in Avic Electromechanical filing several patents. Research has covered such areas as electrical pulse de-icing, cabin environmental technology and hydraulic system state detection, it says.

## **Nanjing Engineering Institute of Aircraft Systems, Jincheng**

In May 2007 AVIC I has signed a strategic cooperation agreement with the People's Government of Nanjing City, according to which Jincheng Corporation will build in Nanjing four industrial bases, such as light aviation power industry base.

The joint venture between Parker and AVIC NEIAS — called NEIAS Parker Aero Systems & Equipment — is located in Nanjing and will develop the COMAC C919's complete fuel, inerting, and hydraulic systems. A significant portion of the systems' component assembly, test, and manufacture will take place at the new facility, as well as systems integration test functions. MA700 hydraulic system products will be assembled and tested in this facility. Parker also provides the fuel, hydraulic, and flight control actuation systems for COMAC's ARJ21 and C919 aircraft and has been a Gold Supplier on these programs for eight years.

## **AVIC Qingan Group**

Qingan company is mainly responsible for the development and production of aerospace airborne equipment products. Which defense products including mechanical, hydraulic, pneumatic, electronic, electrical equipment and control systems; subcontract civil aviation aircraft flight control products, power supplies, wheel brakes, landing gear and other systems with parts, components. Mainly engaged in the field of non-aviation development and production of various types of air-conditioning compressor.

Qingan company has a state-level enterprise technical centers and two post-doctoral research station, has aviation products, refrigeration equipment, testing Institute of Technology; National Metrology Centre, chemistry laboratories, Northwest Airlines System environmental testing center area and environmental testing of mechanical products; precision gears, large frame, all kinds of hydraulic valves, large lead long spiral track and other parts machining, hydraulic seals and special forging casting, welding technical areas such as heat treatment table has a unique know-how. Qingan company is in Xi'an High-tech Industrial Development Zone to establish a Qingan refrigeration industrial park, with an annual output of various types of air-conditioning compressor, more than 500 million units of production capacity, to become the leading air-conditioning compressor development, production, one service base; Xi'an Economic Development Zone in the civil aviation hydraulic control products subcontract production plant, met with GE-AS, GOODRICH, EATON, MOOG airborne equipment and many other world-renowned enterprises to establish a cooperative relationship.

## **AVIC The First Aircraft Institute**

AVIC I AND II are equal economic entities authorized by the state to make investments, operating as a state holding company under the direct supervision of the Central Government. The scope of business for AVIC I and AVIC II look similar, but have a different emphasis. Generally speaking, AVIC I focuses on large- and medium-sized aircraft while AVIC II gives priority to feeder aircraft and helicopters.