

We have two government contracts requiring the FCC license listed below:

Government Project:	Autonomous Sustainment Technologies for Rotorcraft Operations (ASTRO)
Agency:	US Army, Advanced Aviation Technology Directorate
Contract Number:	Prime Contract Number, W911W6-13-2-0007
Period of Performance:	2014 through 2017

The U.S. Army Aviation Applied Technology Directorate (AATD) launched the Autonomous Sustainment Technologies for Rotorcraft Operations (ASTRO) program in late 2013 to demonstrate technologies to more efficiently design and maintain their current and future vertical lift aircraft fleet. The critical gearbox components to improve were identified as the planetary gears and bearings. Boeing selected Mnemonics Inc. to provide advanced passive wireless sensors and associated electronics for the planetary gearbox and its critical components. In design and testing, the passive wireless sensor system will be used by Boeing to give engineers much better knowledge and insight into the planetary gearbox's reliability and performance under multiple sensitivity tests, often under multi-variable conditions. By collecting the planetary gear and bearings temperature and strain information under their actual operating conditions, Boeing/Mnemonics can suggest to the US Army life extension options.

Government Project:	Smart Crosstie Using Passive Wireless Strain Sensors
Agency:	Federal Railway Administration, Track Research Division
Contract Number:	DTFR53-15-C-00001
Period of Performance:	10/27/14 through 3/26/15

The Federal Railroad Administration (FRA) is currently supporting the development of advanced rail technologies to meet the transportation needs of the country. FRA has provided contract funding and technical support to Mnemonics Inc. to facilitate Smart Crosstie Passive Wireless Strain Sensor research and development of new equipment and testing technologies that will greatly enhance the nation's rail transportation safety and efficiency. These activities support the objectives of the US DOT, the mission critical needs of the FRA, and the rail industry as a whole, through technology development and demonstration, basic and applied research, and information exchange with the rail industry.