API Technologies Corp. is a trusted provider of RF/microwave, microelectronics, and security solutions for critical and high-reliability applications. The company designs, develops and manufactures electronic components, modules, systems and products for defense, aerospace, and commercial/aerospace applications. API Technologies’ customers include many leading Fortune 500 companies, international defense organizations, and NATO governments. While API was founded in 1981, the company’s heritage brands have served the defense, hi-rel marketplace for more than 70 years. API Technologies’ customers include many leading Fortune 500 companies, international defense organizations, and NATO governments. While API was founded in 1981, the company’s heritage brands have served the defense, hi-rel marketplace for more than 70 years. API Technologies trades on the NASDAQ under the symbol ATNY.
At a time when defence budgets are under pressure and multinational collaboration is being adopted more widely, typified by NATO’s “Smart Defence” concept, API’s AAAU solution offers unparalleled interoperability, ease of use, and reduced cost of ownership (procurement, operation and maintenance).

The system is comprised of multiple QTRM (Quad Transmit Receive Module) assemblies, packaged in removable planks that form the AAAU sub-array. The QTRMs are Line Replaceable Units (LRU), which allow for ease of assembly and maintenance. The API designed and manufactured QTRMs are ready to use out of the box. All that is necessary is the upload of system calibration data, which then propagates through the system, speeding set-up time.

This common module approach, which uses API’s European designed and manufactured elements and COTS components, delivers ease of system integration, first line repair and reduced cost.

API has developed a modular and scalable Active Antenna Array Unit (AAAU) solution to improve the performance and reduce the maintenance costs of data links, satcom systems, and next-generation radar systems, including Active Electronic Scanned Array (AESA).