

## CORPORATE OVERVIEW

Atrenne Integrated Solutions is an advanced, vertically integrated custom engineering systems provider serving a wide variety of high-tech industries.

By joining **AbelConn Electronics** and **Atrenne Computing Solutions**, Atrenne is able to deliver a one-stop-shop to customers in commercial aviation, military/defense, telecommunications/networking and other industrial markets.

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## SERVICES

### Product Development

- Chassis, Board & Component Design
- Complete System Design
- Reverse Engineering
- Part Obsolescence
- Product Life Cycle
- End of Life

### Engineering and Technical Services

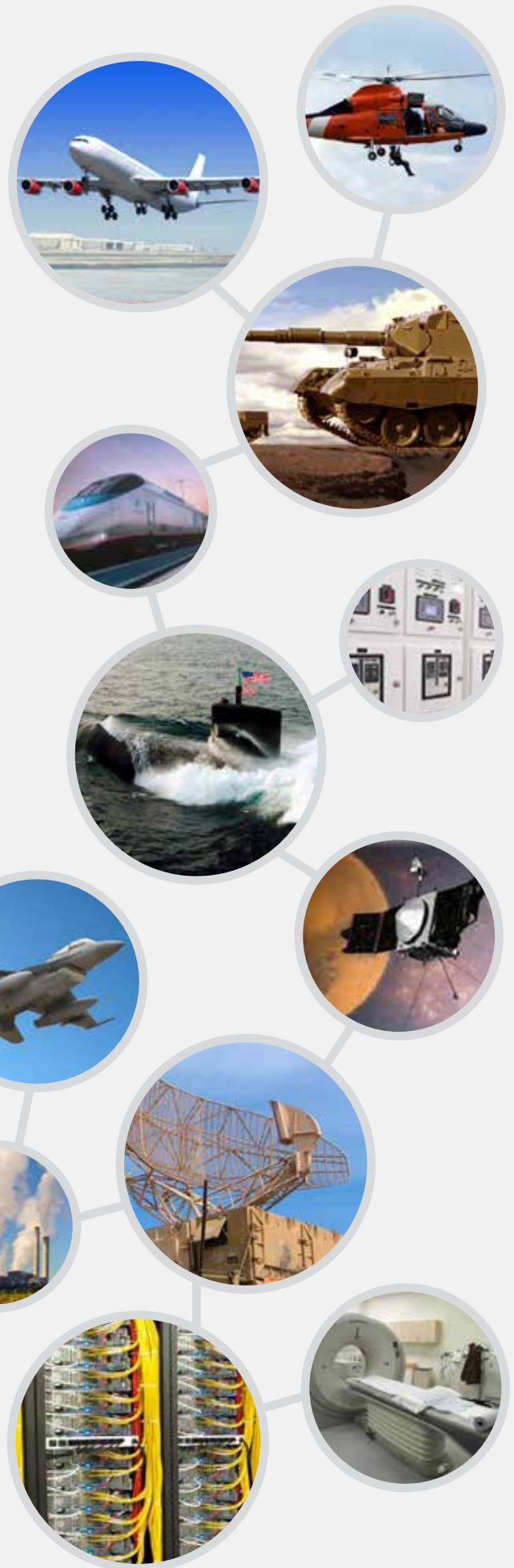
- Program Management
- Electrical and Mechanical Design
- Design for Excellence
- Prototyping, including 3D Printing
- 3D Solid Modeling

### Manufacturing Capabilities

- High Mix / Low to High Volume Runs
- Quick Turn
- Lean Production Cells

### Product Testing

- CE, UL, CSA, VDE, IEC and FCC
- Environmental
- Low MTTR and High MTBF
- Several Military Standards
- Stress Screening
- Functional
- Thermal Analysis
- EMI and RFI



# PRODUCTS

## Custom Integrated Solutions

- Supporting VME, VXS, VPX, CompactPCI, AdvancedTCA, MicroTCA, and other bus structures



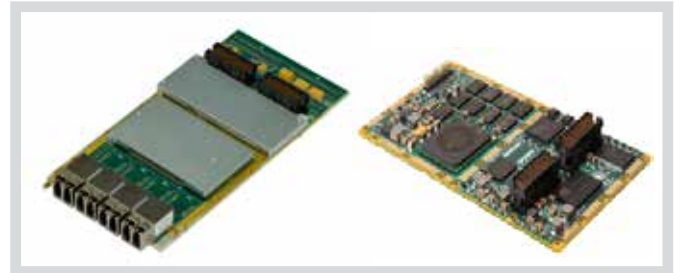
## Complex System Build

- Enclosure
- Circuit Board
- Wire and Cable Assembly



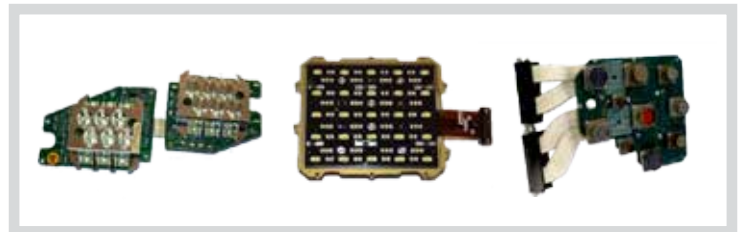
## Mechanical Mounting Solutions

- Front Panel Assemblies
- MicroVent™ Machining Technology
- Board Extractors
- Extruded Bezels
- PCI Brackets and ATX Shields



## Electronic Assemblies

- Backplanes
- Circuit Card Assemblies (CCAs)
- LED Assemblies



## Enclosures

- Extruded Aluminum
- Ruggedized Chassis
- ATRs
- Small Form Factors
- COTS & Modified COTS
- Card Cages

## Connectors & Cables

## Quality and Certifications\*

- ISO9001: 2008 Certified
- AS9100
- ISO 14001
- Nadcap Accredited (Electronics)
- ITAR
- NASA Space Hardware Provider

*\*Varies per location*



Atrenne has more than 40 years of experience in designing and manufacturing electro-mechanical integrated solutions for rugged and harsh environments. With headquarters in the United States, the firm has a workforce of over 450 employees, and manages more than 150,000 square feet of state-of-the art manufacturing operations in the United States and China.

“Atrenne” is an old English word that means “to out-run”, and that is what we promise to do. We are committed to being the best integrated solutions provider through personalized program management, product customization, continuous flow and lean manufacturing systems and world class quality through our quality management systems and certifications.