

Capabilities and Line Card





Five Years Out

Aerospace and Defense

The workings of the bicycle made way for the first flying machine. A spaceship was built on the ground piece by piece before a man could walk on the moon.

At A.E. Petsche, we know everything epic relies on small, forward-thinking parts—put together with absolute precision.

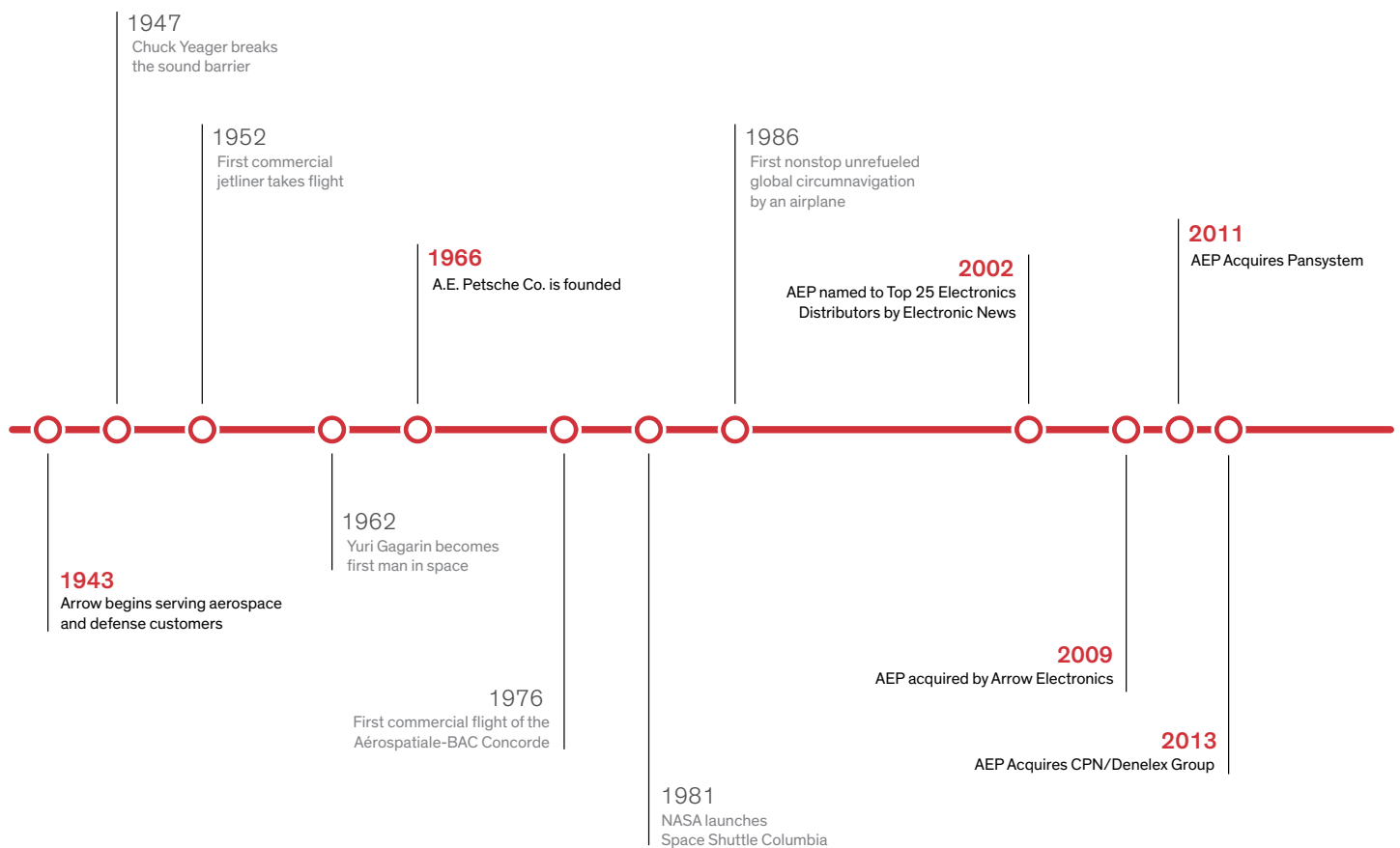
As your partner, we'll provide the benefits of more than 40 years of experience serving thousands of aerospace and defense customers with the components and finished goods they need to take flight.

We deliver quality across product lifecycles. Our extensive line card features military qualified and commercial off-the-shelf products from the industry's top manufacturers. And our services and solutions prove we understand what this industry demands.

Design. Product supply. Quality control. Value-added services. We have it all—and can customize our solutions to fit your challenges.

Trust in our unmatched heritage. And join us in the world of Five Years Out, where we bring the future into fruition. Together.

The History of Arrow and A.E. Petsche Co.





Why A.E. Petsche Company?

As your partner in forward thinking, we believe it's our responsibility to contribute to your success, not just project by project, but over the lifetime of our professional relationship. That's why we bring added value to the table.

ESSENTIAL PARTNERSHIPS

Leverage the world's leading interconnect manufacturers through A.E. Petsche Co. We can help you access the latest technologies and tools to meet all your specifications.

GLOBAL LOGISTICS

Expand your business into international markets with speed and efficiency through any one of our global offices.

LOGISTICS SUPPORT

Dramatically reduce inventories and cut costs. Our comprehensive range of services include point of use replenishment in-plant stores, and contract usage support, allowing you to virtually eliminate challenges such as shortages and airfreight costs.

IN- HOUSE VALUE ADDED SERVICES

Streamline production with A.E. Petsche Company's value-added services. We're equipped to provide QPL approved connector assembly and kitting as well as wire marking, stripping and cutting.

CUSTOMER SERVICE

Work with integrity. A.E. Petsche Company is committed to industry leading customer service and high ethical standards demonstrated in our timely responses, accurate information and on-time delivery for all customers.

QUALITY

Rely on high quality products. Our rigorous inspection practices and certification to industry standards, including AS9120A and AS9100/ISO 9001, ensure the delivery of products that meet or exceed appropriate OEM or military specifications.

A.E. Petsche

Interconnect Specialists™

Supplier Listing

A

ADI Electronics
Aiconics
Airtec Braids
American Micro
American Wire Works
Amphenol
*Aerospace
*Connex
*PCD
*RF
API Technologies
Automatic Connector

B

Breyden Products

C

Carlisle
*Radex
*Tensolite
*Thermax
*Tri-Star
Cinch
*Array Connector Corporation
Conec
Conesys
*Aero Electric
*J-Tech
Corsair Electrical Connectors
CW Industries

D

Delta Electronics Manufacturing Corporation
Detoronics
Device Technologies
Draka

E

Emerson Network Power Connectivity Solutions
*Trompeter
ESPA Hutchinson

F

Federal Mogul

G

Glenair

H

Harbour Industries
Hellermann Tyton
Honeywell Sensing & Control Switches

I

Ideal Industries
Incon
ITT Cannon
IW Microwave

J

Judd Wire

L

Loos and Company

M

MAJR
Mecatraction

N

Nexans

P

Panduit
Preci-Dip

R

Red Lion
*SIXNET
RMS
RSCC

S

San-Tron
Smith's Connectors
*Hypertac
Souriau
Specialty Wire and Cable
Steinel
Step'n Components
Sumitomo Electric Interconnect Products
SV Microwave

T

Techflex
TE Connectivity
*AMP
*Deutsch
*Raychem
*Tyco
Times Microwave Systems

V

Varflex

W

W.L. Gore
Western Filament
Winchester
*Continental Connector Company
*Kings Electronics

Z

Zeus

Supplier Listing Legend:

* A division of

Wire & Cable

| | American Wire Works | Carlisle (Tensolite) | Carlisle (Thermax) | Draka | Harbour | Judd Wire | Loos | Nexans | Red Lion (SIXNET) | RSCC | Specialty | TE (Raychem) | Times Microwave Systems | W.L. Gore |
|---------------------|---------------------|----------------------|--------------------|-------|---------|-----------|------|--------|-------------------|------|-----------|--------------|-------------------------|-----------|
| 44A | | | | | | | | | | | | • | | |
| 55A | | | | | | | | | | | | • | | |
| ABS | | | | • | | | | • | | | | • | | |
| ASNE/ Airbus | | | | • | | | | • | | | | • | | |
| BMS/ Boeing | | • | • | | | • | • | | | | | • | | • |
| DEF Standards | | • | | • | | | | • | | | | • | | |
| EB-CAT5E/ET-CAT6M | | | | | | | | | • | | | | | |
| EN Standards | | • | • | • | | | | • | | | | | | • |
| IEEE 1394 | | • | • | • | • | | | | | | | | | • |
| M16878 (NEMA HP) | | • | • | | • | | | • | | | • | | | |
| M8777 OR MS25471 | | | | • | | | | | | | | | | |
| MIL-C-13486 | | | | • | | | | | | | | | | |
| MIL-C-27072 | | | | | | • | | | | | | | | |
| MIL-C-55021 | | | • | | • | | | | | | • | | | |
| MIL-DTL-17 | | • | • | | • | | | • | | • | | | • | |
| MIL-DTL-24640 | | | | | | | | | | • | | • | | |
| MIL-DTL-24643 | | | | | | | | | | • | | • | | |
| MIL-DTL-25038 | | | • | | | | | | | | • | | | |
| MIL-DTL-5846 | | | | | | | | | | | • | | | |
| MIL-DTL-81381 | | • | • | | | | | • | | | | | | |
| MIL-DTL-83420 | | | | | | | • | | | | | | | |
| MIL-STD-1553B | | • | • | • | • | | | • | | | | • | • | • |
| MIL-W-5086 | | | | | | | | | | • | • | | | |
| MS20995 (NASM20995) | • | | | | | | • | | | | | | | |
| Nema WC27500 | | • | • | • | • | • | | • | | • | • | • | | |
| RG Cable | | | • | | • | | | • | | • | | | • | |
| SAE AS22759 | | • | • | • | • | • | | • | | • | • | • | | |
| SAE AS81044 | | | | | | | | • | | • | | • | | |
| SAE AS81822 | | • | • | | | | | | | • | | | | • |
| SAE AS85485 | | | | | | • | | | | | | • | | |

Harness Protection Products

| | Breyden Products | Device Technologies | Federal Mogul | Glenair | Hellerman Tyton | Honeywell S&C | Majr Products | Panduit | Sumitomo | TE (AMP/Tyco) | TE (Raychem) | Techflex | Varflex | Western Filament | Zeus |
|--------------------------|------------------|---------------------|---------------|---------|-----------------|---------------|---------------|---------|----------|---------------|--------------|----------|---------|------------------|------|
| A-A-52080 thru A-A-52084 | • | | • | | | | | | | | | | | | • |
| ABS | | | | | | | | | | | • | | | | |
| AMS | | | | | | | | | | | | | | | • |
| ASNE/ Airbus | | | | | | | • | | • | • | | | | | |
| ASTM-D-3295 | | | | | | | | | | | | | | | • |
| BMS/ Boeing | | | • | | | | | | | • | • | | | • | |
| EMI/RFI Shielding | | | | | | | • | | | | | | | | |
| EN6049 | | | • | | | | | | | | | | | | |
| M631 | | | | | | | | | | | | | • | | |
| MIL-A-46864 | | | | | | | | | | | • | | | | |
| MIL-C-39029 | | | | | | | | | | | • | | | | |
| MIL-DTL-22520 | | | | | | | | | | | • | | | | |
| MIL-DTL-83723 | | | | | | | | | | | • | | | | |
| MIL-I-22129 | | | | | | | | | | | | | | | • |
| MIL-I-3190 | | | • | | | | | | | | | | • | | |
| MIL-M-87958 | | | | | | | | | | | • | | | | |
| MIL-PRF-39002 | | | | | | • | | | | | | | | | |
| MIL-PRF-46846 | | | | | | | | | | | • | | | | |
| MIL-STD-1553B | | | | | | | | | | | • | | | | |
| MIL-T-43435 | • | | • | | | | | | | | | | | | • |
| MIS-20065 | | | | | | | | | | | • | | | | |
| MIS-20067 | | | | | | | | | | | • | | | | |
| NAS1744 thru NAS1746 | | | | | | | | | • | | • | | | | |
| NASM22529 | | • | | | | | | | | | | | | | |
| RMS/Rohr | | | | | | | | | | • | | | | • | • |
| SAE-AMS-DTL-23053 | | | | | | | | | • | | • | | | | • |
| SAE-AS17143 | | | | | | | | | | • | | | | | |
| SAE-AS25036 | | | | | | | | | | • | | | | | |
| SAE-AS25274 | | | | | | | | | | • | | | | | |
| SAE-AS31091 | | | | • | | | | | | | • | | | | |
| SAE-AS31171 | | | | | | | | | | | • | | | | |
| SAE-AS33671 | | | | | | | | • | | | | | | | |
| SAE-AS33681 | | | | | • | | | • | | | | | | | |
| SAE-AS7928 | | | | | | | | | | • | | | | | |
| SAE-AS81659 | | | | | | | | | | • | | | | | |
| SAE-AS81765 | | | | | | | | | | | • | | | | |
| SAE-AS81824 | | | | | | | | | • | | • | | | | |
| SAE-AS81914 | | | | • | | | | | | | | | | | • |
| SAE-AS83519 | | | | • | | | | | • | | • | | | | |
| SAE-AS85049 | | | | • | | | | | | | • | | | | |
| SEA-AS20659 | | | | | | | | • | | • | | | | | |
| VG 95343 | | | | | | | | | | | • | | | | |
| VG 96933 | | | | | | | | | | | • | | | | |
| VG 96936 | | | | | | | | | | | • | | | | |

Connectors

| | ADI Electronics | Aiconics | American Micro | Amphenol (Aerospace) | Amphenol (PCD) | Carlisle (Tri-Star) | Cinch | Cinch (Array) | Conesys (Aero Electric) | Conesys (J-Tech) | Corsair Electrical Connectors | CW Industries | Glenair | Incon | ITT Cannon | Preci-Dip | Souriau | Step'n Components | TE (AMP) | TE (Deutsch) | Winchester (CCC) |
|-------------------|-----------------|----------|----------------|----------------------|----------------|---------------------|-------|---------------|-------------------------|------------------|-------------------------------|---------------|---------|-------|------------|-----------|---------|-------------------|----------|--------------|------------------|
| ARINC 400 | | | • | | | | | | | | | | | | • | | | | • | | |
| ARINC 600 | | | • | | | | | | | | | | • | | • | | • | | • | • | |
| AS25036 | | | | | | | | | | | | | | | | | | | • | • | |
| AS26059 | | | | | | | | | | | | | | | | | | | • | | |
| EN2997 | | | | | | | | • | | | | | • | | | | • | | | | |
| EN3645 | | | | | | | | | | | | | | | | | • | | | | |
| EN3646 | | | | | | | | | | | | | | | | | • | | | | |
| EN4165 | | | | | | | | | | | | | | | | | | | • | | |
| MIL-C-39029 | | | • | • | | | | • | • | | | • | | • | • | • | • | • | • | • | |
| MIL-C-5015, I | | | • | | | | • | | • | | | ○ | | • | | | | | | | |
| MIL-C-5015 FR | | | | | | | | | | | • | | | | | | | | | | |
| MIL-C-5015 RR | | | • | | | | | • | • | • | | ○ | | • | | | | | • | | |
| MIL-C-81511, I&II | | | • | | | | | | | | | ○ | | | | | | | | | |
| MIL-C-81511, III | | | | | | | | | | | | ○ | | | | | | | | • | |
| MIL-C-81511, IV | | | | | | | | | | | | | | | | | | | | • | |
| MIL-C-81582 | | | | | | | • | | | | | | | | | | | | | | |
| MIL-C-81659 | | • | | | | | | | | | | | | • | | | • | • | • | | |
| MIL-C-81703 | | | | | | | | | | | | | | | | | | | | • | |
| MIL-C-85049 | | | • | • | | | | | | | | • | | • | | | | | | | |
| MIL-DTL-12883 | | | | • | | | | | | | | | | | | | | | | | |
| MIL-DTL-21097 | | | | | | | | | | | | | | | | | | | • | | |
| MIL-DTL-22520 | | | | | | | | | | | | • | | • | | | | | | | |
| MIL-DTL-22992 | | | • | | | | | | | | | ○ | | | | | | | | | |
| MIL-DTL-24308 | • | | • | • | • | | | | | | • | • | • | • | • | • | • | • | • | • | |
| MIL-DTL-26482, I | | | • | | | | • | | | | | ○ | | • | | • | • | | | • | |
| MIL-DTL-26482, II | | | • | | | | | • | | • | | ○ | | • | | • | • | | | • | |
| MIL-DTL-26500 | | | • | • | | • | | • | | | | ○ | | • | | | | | | | |
| MIL-DTL-27599 | | | • | | | | | | | | | | | | | | | | | • | |

Legend

- = Supplier parts meet this specification
- = Backshell/Accessory only

| | ADI Electronics | Aiconics | American Micro | Amphenol (Aerospace) | Amphenol (PCD) | Carlisle (Tri-Star) | Cinch | Cinch (Array) | Conesys (Aero Electric) | Conesys (J-Tech) | Corsair Electrical Connectors | CW Industries | Glenair | Incon | ITT Cannon | Preci-Dip | Souriau | Step'n Components | TE (AMP) | TE (Deutsch) | Winchester (CCC) |
|--------------------|-----------------|----------|----------------|----------------------|----------------|---------------------|-------|---------------|-------------------------|------------------|-------------------------------|---------------|---------|-------|------------|-----------|---------|-------------------|----------|--------------|------------------|
| MIL-DTL-28748 | | | | | | | | | • | | | | | | | | | | | | • |
| MIL-DTL-28804 | | | | | | | | | | | | • | | | | | | | | | |
| MIL-DTL-28840 | | | | | | | | | | | | | • | | | | | | | | |
| MIL-DTL-38999, I | | • | • | | | | | • | | | | | • | | • | | • | | • | | • |
| MIL-DTL-38999, II | | • | • | | | | | • | | • | | | • | | • | | • | | • | | • |
| MIL-DTL-38999, III | | • | • | | | | | • | | • | | | • | | • | | • | | • | | • |
| MIL-DTL-38999, IV | | | | | | | | | | | | | | | | | | | | | • |
| MIL-DTL-55302 | | | • | • | | | | | | | | | • | • | | | | | • | • | • |
| MIL-DTL-83503 | | | | | | | | | | | | • | | | | | | | | | |
| MIL-DTL-83505 | | | | | | | | | | | | | | | | | | | | • | |
| MIL-DTL-83513 | | | • | | | | • | | | | | | • | | • | | | | • | | • |
| MIL-DTL-83522 | | | • | | | | | | | | | | | | | | | | | | • |
| MIL-DTL-83527 | | | | | | | | | | | | | | | | | | | | • | • |
| MIL-DTL-83723, I | | | | | | | | • | | | | | ○ | | | | • | | | • | |
| MIL-DTL-83723, III | | • | • | | | | | • | • | | | ○ | | | • | | | | | • | |
| MIL-DTL-83733 | | | | • | | | | | | | | | | | | • | | | | | |
| MIL-I-81969 | | • | • | • | | | | | | | | | | | | • | | | • | • | |
| MIL-PRF-28876 | | | • | | | | | | | | | | | | | | | | | | |
| MIL-PRF-29504 | | | • | | | | | | | | | | • | | | | | | | | |
| MIL-T-81714, I | | | • | • | | | | | | | | | • | | | | | | | | |
| MIL-T-81714, II | | | • | • | | | | | | | | | | | | | | | | | • |
| MS17845 | | | | | | | | | | | • | | | | | | | | | | • |
| MS27488 | | • | • | | | | | | | | | | | | | | | • | | • | |
| MS3057 | | | • | | | | | | | | | | • | | | | | | | | |
| MS3420 | | | • | | | | | | | | | | • | | | | | | | | |
| MS3505 | | | | | | | | | | | • | | | | | | | | | | |
| MS3506 | | | | | | | | | | | • | | | | | | | | | | |
| MS90362 | | | | | | | | | | | • | • | | | | | | | | | • |

Note:

We also provide a wide array of Boeing and Airbus specifications, as well as commercial versions of any franchised lines.

Electromechanical Products

| | Honeywell S&C | TE (AMP/Tyco) | | Honeywell S&C | TE (AMP/Tyco) |
|---------------|---------------|---------------|------------|---------------|---------------|
| AN3167 | • | | MS27734 | • | |
| AN3168 | • | | MS27735 | • | |
| MIL-DTL-83725 | | • | MS27736 | • | |
| MIL-PRF-28750 | | • | MS27737 | • | |
| MIL-PRF-28776 | | • | MS27738 | • | |
| MIL-PRF-39016 | | • | MS27739 | • | |
| MIL-PRF-6106 | | • | MS27750 | | • |
| MIL-PRF-83536 | | • | MS27753 | • | |
| MIL-PRF-83726 | | • | MS27754 | • | |
| MIL-PRF-8805 | • | | MS27781 | • | |
| MIL-R-5757 | | • | MS27782 | • | |
| MIL-S-5594 | • | | MS27783 | • | |
| MS16106 | • | | MS27784 | • | |
| MS21320 | • | | MS27785 | • | |
| MS21321 | • | | MS27786 | • | |
| MS24185 | | • | MS27787 | • | |
| MS24331 | • | | MS27788 | • | |
| MS24420 | • | | MS27789 | • | |
| MS24523 | • | | MS27790 | • | |
| MS24524 | | | MS27994 | • | |
| MS24525 | | | S-311-448 | | • |
| MS24547 | | | S-311-P-10 | | • |
| MS24594 | | | S-311-P-4 | | • |
| MS24658 | • | | MS27245 | | • |
| MS24659 | • | | MS27724 | • | |
| MS24660 | • | | MS27734 | • | |
| MS25008 | • | | MS27735 | • | |
| MS25011 | • | | MS27736 | • | |
| MS25085 | • | | MS27737 | • | |
| MS25253 | • | | MS27738 | • | |
| MS25383 | • | | MS27739 | • | |
| MS27216 | • | | MS27750 | | • |
| MS27240 | • | | MS27753 | • | |
| MS27245 | | • | MS27754 | • | |
| MS27247 | | • | MS27781 | • | |
| MS27406 | • | | MS27782 | • | |
| MS27407 | • | | MS27783 | • | |
| MS27408 | • | | MS27784 | • | |
| MS27409 | • | | MS27785 | • | |
| MS27418 | | • | MS27786 | • | |
| MS27716 | • | | MS27787 | • | |
| MS27717 | • | | MS27788 | • | |
| MS27718 | • | | MS27789 | • | |
| MS27719 | • | | MS27790 | • | |
| MS27720 | • | | MS27994 | • | |
| MS27721 | • | | S-311-448 | | • |
| MS27722 | • | | S-311-P-10 | | • |
| MS27723 | • | | S-311-P-4 | | • |
| MS27724 | • | | MS27245 | | • |

RF Products

| | Amphenol (RF) | Automatic Connector | Carlisle (Thermax) | Delta Electronics Manufacturing | Emerson (Trompeter) | Harbour | Judd Wire | Nexans | RSCC | San-Tron | SV Microwave | TE (AMP) | TE (Raychem) | Times Microwave Systems | Winchester (Kings) |
|---------------|---------------|---------------------|--------------------|---------------------------------|---------------------|---------|-----------|--------|------|----------|--------------|----------|--------------|-------------------------|--------------------|
| MIL-DTL-39030 | | | | | | | | | | | • | | | | |
| MIL-DTL-3933 | | | | | | | | | | | • | | | | |
| MIL-DTL-83517 | | | | | | | | | | | • | • | | | |
| MIL-PRF-31031 | | | | | | | | | | | • | | | | |
| MIL-PRF-39012 | • | • | | • | | | | | | | • | • | | | • |
| MIL-PRF-49142 | | | | | • | | | | | | | | | | • |
| MIL-PRF-55339 | • | • | | • | | | | | | | • | • | | | • |
| RG Cable | | | • | | | • | | • | • | | | | | • | |
| SAE AS85485 | | | | | | | • | | | | | | • | | |
| ST5M | • | | | • | | | | | | | • | | | • | • |
| Test Cable | | | | | | | | | | • | | | | • | |
| UG | • | | | • | | | | | | • | | | | | |



Counterfeit Mitigation

Protection for Your Supply Chain

Our strict process controls and compliance to industry standards, including AS5553, ensure that you receive the highest quality products with complete traceability throughout the product lifecycle.

Quality Control

Assurance of Excellence

A.E. Petsche Company is certified through AS9120A and AS9100C/ISO 9001 Quality Management Systems, and utilizes strict inspection processes to ensure consistently high quality products that will meet or exceed appropriate OEM or Military Specifications.

Value Added Services

A.E. Petsche Company offers value added services to tailor all aspects of customer orders from products to logistics. Offerings include C-Class QPL connector assembly, pre-marked wire/cable products; and custom harness management solutions all designed to dramatically reduce inventory and cost.

Wire

- Wire Marking
- Reel to Reel
- Kitting
- Laser Marking
- Tubing Perforating
- Ink Jet Marking
- Striping

Tooling

- Heat Guns
- Wire Strippers
- Thermal Strippers

Connectors Class C Assembly

- Souriau
- Deutsch
- Aero-Conesys
- Array
- Corsair
- Cinch
- Glenair
- ITT Cannon

Harness Management

- Thermal Marker Sleeve Scoring and Printing
- Tubing Cutting



Are You Five Years Out?

Most people live in the present. The world of now. But a handful of us work in a unique world that doesn't quite exist yet—the world of Five Years Out.

Five Years Out is the tangible future. And the people who live and work there know that new technologies, new materials, new ideas and new electronics will make life not only different, but better. Not just cheaper, but smarter. Not just easier, but more inspired.

Five Years Out is an exciting place to be. So exciting that, once you've been there, it's hard to get excited about the present. Because we know what's coming is going to be so much better.

Five Years Out is a community of builders, designers, engineers and imaginers who navigate the path between possibility and practicality. Creating the future of everything from cars to coffeemakers.

Are you one of them? Then you're probably working with us.



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