



IntelliConnect

A Different Kind of Interconnect Solutions Provider

CAPABILITY BROCHURE



Intelliconnect is different.

We pride ourselves on our customer service.
We give you what you need when you need it.
We provide unrivalled product quality and are
rarely beaten on price.

Whatever your requirement, our dedicated sales
and engineering teams are at your service.

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ABOUT INTELLICONNECT

A Different Kind of Interconnect Solutions Provider

Intelliconnect offer a refreshingly unique approach to any other RF connector and cable assembly manufacturer in the world.

- We commit to unparalleled customer service. Our attitude towards customers is always the same, whatever their size. We use our passion and innovation to give customers a positive and rewarding purchasing or technical experience
- Our design and prototyping service is exceptional. Our design team will turn your designs around at an unrivalled speed with amazing quality. We have no NRE and can often offer free samples.
- We value our customers' time so we make sure we deliver on time.
- We guarantee quality. Our strong supply chain combined with our expert process management and innovative design team means that quality is designed in, processed in and manufactured into our products.
- We support Western manufacture. Virtually all components used in the manufacture of our RF connectors are sourced locally in the USA or in Europe.

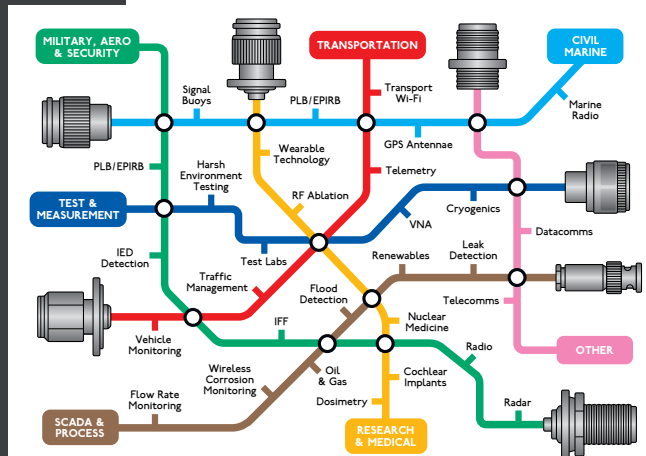
These qualities have made Intelliconnect into a market leader in design-led RF connectors and components manufacturing. Our traditional engineering values paired with the agility, innovation and passion that we embody have made us a supplier of choice to many of the leading American and European Defence, Medical and Marine OEMs.

About Intelliconnect USA

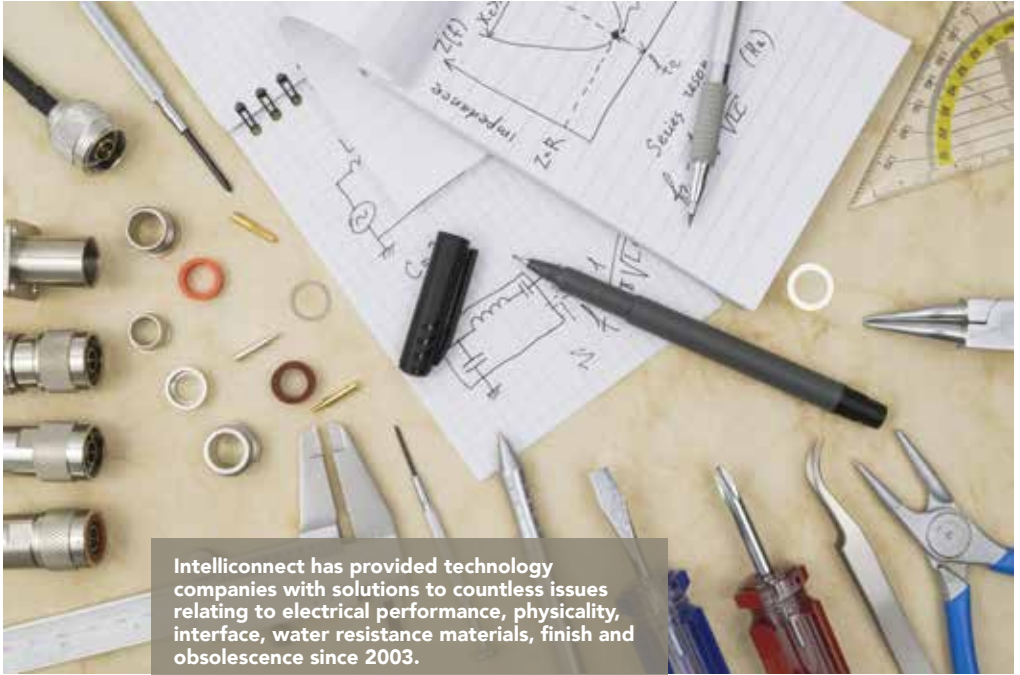
The latter part of the 90s and early 00s saw a lack of quality component manufacturing in the West. In 2004, Intelliconnect was formed as the solution to this problem. Two young connector companies joined forces to become a seamless operation that would successfully operate across the world whilst keeping quality manufacturing in-house.

Intelliconnect has seen major growth since its conception and now have factories and offices in the USA and the UK, as well as agents across the world. They were the first manufacturer of their kind to design waterproof RF connectors and have since gone on to offer Precision, Taurus Low Cost, Cryogenic, cable assemblies and many more.

Markets and Applications



CUSTOM-DESIGNED COMPONENTS



Intelliconnect has provided technology companies with solutions to countless issues relating to electrical performance, physicality, interface, water resistance materials, finish and obsolescence since 2003.

Intelliconnect champions innovation. From our IP67/68 system for internally and externally sealing connectors to our new cryogenic range, we are constantly seeking solutions.

Additionally, we offer the fastest turnaround in the industry for drawings (24 hours), samples (from three weeks) and delivery. We can have your product with you in just seven weeks.

Intelliconnect's design teams will work closely with you to ensure that we provide you with the help, advice and, ultimately, the product you really need - giving you optimum performance at the lowest possible acquisition cost.

We are so confident in the quality of both our design and of our product that we offer free first article samples with production orders for custom designed connectors.

STANDARD COAXIAL COMPONENTS



Precision Connectors and Adapters

Intelliconnect offer a wide range of high spec stainless steel connectors as well as In-Series and Between-Series Adapters.

Interfaces include N, SMA, TNC, 2.9mm, 2.4mm, BMA, SSMA and many others.



Taurus Range

Intelliconnect has a wide range of low-cost, high quality, industry standard coaxial connectors and Adapters.

Our Taurus range is suited to all RF and microwave applications including medical, telecoms, satcoms, instrumentation military, aerospace, space, general microwave communications, rail traction, oil and gas and marine systems.

Taurus connectors are available in widely used industry standard formats including BNC, SMA, SMB, MCX and N Type.



Covert Range

We supply a range of non-reflective black zinc connectors, Adapters, dustcaps and cable assemblies, typically for covert military applications.

CABLE ASSEMBLIES

Whether you require a highly engineered low-loss, phase-matched 50 GHz cable assembly or simple RG-style cable, Intelliconnect will manufacture it for you.

Intelliconnect have a consistently proven track record of providing the perfect solution for our customers, both from a cost and a performance perspective. Intelliconnect guarantees a quick turnaround and, more importantly, deliver when we say we will.

Typical Cables:

Low Loss to 67GHz

Semi Rigid

Semi Flexible

LMR

RG

Triax

Multicore

Ribbon

Wiring Loom



PISCES

WATERPROOF RANGE

IP67 | IP68 | IP69K | NEMA6

Waterproof and Harsh Environment Products

Intelliconnect has a wide range of Waterproof and Harsh Environment Connectors ideally suited to many applications including Mil-Aerospace, SCADA, Marine, Medical, Transportation and Oil and Gas.

As well as numerous types of RF/Coaxial product, we offer high-spec multipin and electrical interconnect solutions. We also offer hermetically sealed products for higher pressure environments.

All products are sealed internally and are therefore waterproof when unmated.



ABMS is a special subminiature connector interface originally designed for use with cochlear implants. This series is based on MCX but with enhanced ruggedisation enabling 3000 matings.

TNC has an extensive portfolio of plugs, jacks, Adapters and cable assemblies. Because of its size, ruggedness and relative low cost it is a very popular style.

The **N Type** range is ultra rugged and also available in a wide range of plugs, jacks, Adapters and cable assemblies.

SMA waterproof is a subminiature connector series which is one of our most popular due to its small size and 18Ghz+ operating capacity.



TRIAxIAL



The Intelliconnect Triaxial range of high-quality connectors, adapters and cable assemblies are designed and manufactured in our USA and UK factories.

Triax products are predominately used in the medical industries for radiation detection equipment and medical imaging. They are also used in broadcast and camera applications where reduced 'noise' or interference levels are required.

We have a wide range of Triax interconnect products available from stock. The Triax range are a non-constant impedance design with an isolated ground and are readily available in BNC or TNC style configurations. C type and special Triax connectors can also be produced. We also offer custom Triaxial designs that are available on short lead times and at competitive prices.

The Intelliconnect Triax range is recognized as being the finest quality available on the market today.

MULTIPIN

Our multi-contact circular connectors are designed specifically to customer needs. Whether 2 pin or 18, we offer a fast custom design service with no NRE charge.

Typical applications for these products include SCADA water management systems, wireless corrosion monitoring, personal locator beacons amongst many others.

Manufactured from the highest quality materials and tested to IP68 immersion, Intelliconnect's Multipin products are both high performance and reliable in safety critical applications.



CRYOGENIC COMPONENTS

Intelliconnect are proud to be a leading supplier of cryogenic interconnect products. Our cryogenic cables and components work to 2 K and are ideally suited to a number of applications including Medical and Research.

We offer:

- Stainless Steel Cable Assemblies
- Niobium Titanium Cable Assemblies to 40GHz
- Cupro Nickel Cables
- Raw St/St and NbTi Cable
- Crimp SMA and 2.9mm Connectors
- Sealed Adapters
- Hermetic Connectors
- Attenuators
- Low Temperature Hardware

Whether you are looking for high volumes or unique custom designs, we will work closely with you to fulfill all of your cryogenic requirements.



Our Values

"Integrity, respect and job satisfaction for all of our employees and partners. Innovation, agility and continuously improving performance for all of our stakeholders."

Our Mission

"Promote and develop, with integrity and innovation, the growth of Intelliconnect's component and cable business, by exceeding our customers' expectations in all that we do."

Our Vision

"To be the most agile, imaginative and fastest growing interconnect business in North America."



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