



Connecting your intelligent devices

Co-creating wireless RF solutions



**AMPHENOL
PROCOM**
connect with confidence



Connecting can be difficult

In today's connected world an increasing number of devices are being connected to wireless networks such as LTE 450, 4G, 5G and Wi-Fi (incl. Wi-Fi 6), so completely new applications are now being exposed to wireless connectivity.

Just think of all the "smart meters" that are now connecting public garbage cans, your lawn mower or parking payment machines to the internet. Within industrial sectors like manufacturing or commercial ports, devices like manufacturing robots, containers, and autonomous moving devices are becoming wireless.

For certain devices it can be a complex challenge to ensure signal integrity. In some cases, the bare size of the device implies a high degree of miniaturization, which constrains both RF and mechanical design. Other times the materials and shape of the device may have a big impact on connectivity.

Another challenging factor can be the environment surrounding the device – one example is under water smart meters measuring wastewater levels.

Common to all these RF challenges is that companies with no history or skillset for applying wireless technologies are now forced to find viable and reliable solutions.

This is where Amphenol Procom excel.

Amphenol Procom is your wireless co-creation partner

With expertise in Antenna, Filter, and Combiner products, we offer our co-creation skills to support companies facing difficult challenges when connecting their devices to 4G, 5G and Wi-Fi networks.

The competence of our strong R&D team is unique to the market, we are proficient at working with the complete wireless RF eco-system – from sending and receiving the signal via the antenna to filtering and combining signals via custom made filters and combiners.

As part of the co creation service we offer our customers, we take full responsibility for the design, ensuring that we consult throughout the entire process. Full measurement and simulations can be taken in our labs, not only providing modelling of RF performance, but also the fit and functionality.



Co-creation examples

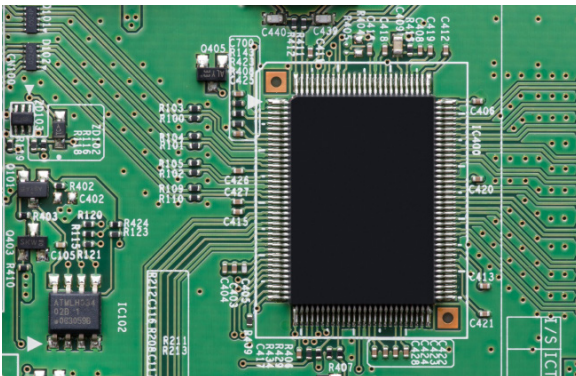
Embedding customized antennas



Smart metering in difficult environments



RF Module Boards



Our R&D teams in Denmark, UK & India have access to a wide range of facilities and equipment.

Equipment

- RF & electric measurements equipment
- Power amplifiers for power test
- Climate chambers
- Vacuum chambers

Antenna measurements facility

- Outdoor test range
- Anechoic chambers
- PIM measurement

Engineering capabilities for co-creation

Amphenol Procom has a strong history of co-creating RF solutions with our customers. Today we are using our co-creation skills to support companies facing difficult challenges when connecting their devices to 4G, 5G, and Wi-Fi networks.

The competence of our strong R&D team is unique to the market as we are used to work with the complete wireless RF eco-system – all the way from the sending and receiving the signal via the antenna to filtering and combining signals via custom made filters and combiners.

Our design capabilities includes, but are not limited to:

- 3D EM Field Simulation Software for design of RF filter components and antennas
- RF system and schematic design
- PCB design
- Mechanical design
- Project Management

About Amphenol Procom

At Amphenol Procom, we are committed to providing solutions that can be trusted no matter how extreme the environment, or how complex the complete networks solution might be. We exist to create innovative and reliable solutions together with our customers.

We are proud of what we do, how we do it, and the values we bring

Your network relies on the quality of its components; if one goes down, it can take the rest with it. That's why our products are built for quality and tested to the extreme - so that performance is not compromised under any circumstances. With manufacturing in Denmark, UK, and the US, Amphenol Procom serve a wide range of market segments such as Public Safety, Private LTE/5G Networks, Utilities, and Transportation.

We have more than 7.000 products in our portfolio, mainly covering base station antennas, portable & mobile antennas, combiners, filters and DAS solutions.

Amphenol Procom is a division of the Amphenol Corporation, a \$10 billion-dollar organization that is one of the largest manufacturers of interconnect products in the world. The company designs, manufactures and markets electrical, electronic and fiber optic connectors, coaxial and flat-ribbon cable, and interconnect systems.



HEAD OFFICE AND PRODUCTION

DENMARK

Amphenol Procom DK
Smedetoften 12
DK - 3600 Frederikssund

Phone: +45 48 27 84 84
E-mail: dksales@amphenolprocom.com
www.amphenolprocom.com

UK

Amphenol Procom UK
Rutherford Drive
Park Farm South,
Wellingborough, Northamptonshire
NN8 6AX United Kingdom

Phone: (+44) 1933-408408
E-mail: uksales@amphenolprocom.com
www.amphenolprocom.com

SUBSIDIARIES

USA

Amphenol Procom Inc.
1123 Industrial Drive
Conover, North Carolina
28613 USA

Phone: (+1) (704) 682-8485
E-mail: ussales@amphenolprocom.com
www.amphenolprocom.com

GERMANY

Procom Deutschland GmbH
Feldstraße 1
DE - 24983 Handewitt

Phone: +49 (0) 461 957722
E-mail: info@amphenolprocom.de
www.amphenolprocom.de

FRANCE

C/O Jaybeam Wireless
ZI de la Boitardière
Chemin du Roy
37400 Amboise

Phone:
+33 (0) 149803200
E-mail:
fr.info@amphenolprocom.com

