



PRODUCTS AND SERVICES AT A GLANCE

A.N. Solutions is the first design house to offer a complete range of enabling hardware and software components for Sub-1-GHz and 2.4GHz license-free ISM bands, concept-to-market product design and customization services, and customer training programs and system design workshops. A.N. Solutions focuses on IEEE802.15.4-based wireless technologies, such as ZigBee, 6LoWPAN, Wireless-HART and more. A.N. Solutions helps OEMs and system integrators take their new products from concept to market on time and on budget with no in-house RF expertise. Its modular approach enables quick and seamless technology implementation for energy management, building automation, and other application areas demanding intelligent wireless connectivity.

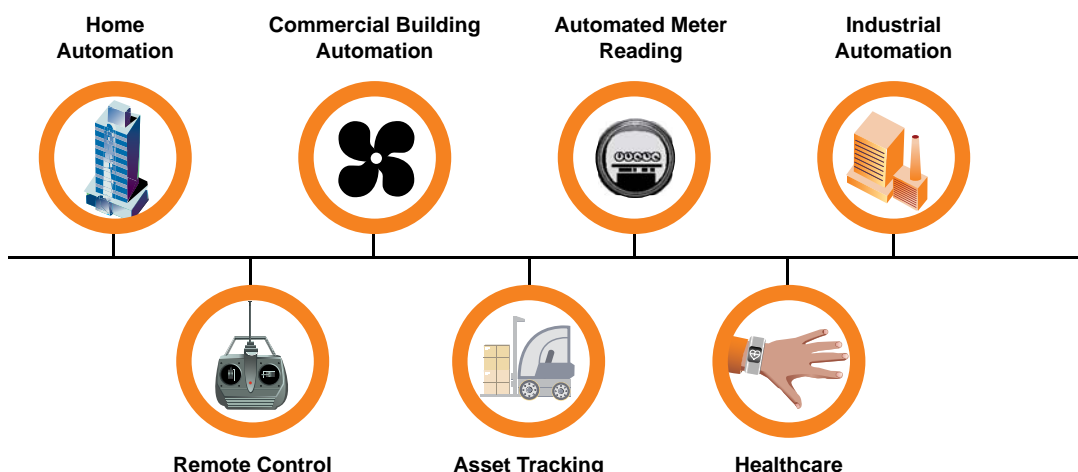
CONCEPT	DESIGN	IMPLEMENTATION	COMMISSIONING	MAINTENANCE	CO-MARKETING
Concept	Starting with requirement and demand profiling, it takes into account all details, and results in consolidated specs for product design and clear project timeline				
Design	Conversion of system target specification into real application design, resulting in proven system design, incl. all collaterals needed to pursue implementation phase				
Implementation	A complete range of services, incl. prototyping, verification, alpha testing, and more, resulting in a proven design, ready for mass production and regulations compliant				
Commissioning	All stages, including system certification, test routines, system collaterals and more, resulting in deployment of robust system compliant to all pre-defined requirements				
Maintenance	Comprehensive system support service, encompassing integration, applications update, and more, resulting in sustainable product design & roadmap				
Co-marketing	Joint product promotion within the EMEA region, incl. co-exhibiting, web campaigns, co-branded materials, and more				

Benefits:

- Ultimate flexibility in facilitating customer's needs
- Modular & interchangeable design of hardware and software
- Complete product design support
- Always ready to go extra mile to meet customer's particular requests
- Standards-based solutions that are interoperable with the existing 802.15.4-based solutions in the market

Adaptive Network Solutions Advantage:

- Flexible building blocks (both hardware and software) for trouble-free wireless-enabling of OEM's products
- Ultra-sensitive, low-power, fully self-contained RF modules for both Sub-1-GHz and 2.4GHz ISM bands providing maximum ease of integration
- Easy-to-use development tools, including convenient USB dongles for wireless data integration, using PC and mobile devices, and versatile development boards





WIRELESS HARDWARE COMPONENTS

Ultra-Sensitive 802.15.4/ZigBee RF Modules for Sub-1GHz and 2.4GHz ISM Bands

@ANY2400-1 and @ANY2400SC-1/2 are 2.4 GHz IEEE802.15.4/ZigBee RF modules with various antenna options. They are based respectively on the industry-leading Atmel's MCU/transceiver and a single-chip platform. Their unique RF design achieves a rare combination of the industry-leading range performance and low power consumption. @ANY2400-series module's small footprint makes the integration easy, while the available antenna options enable rapid design-in with no RF knowledge required.

@ANY900-1 and @ANY900-2 are the ultra-low power 802.15.4/ZigBee RF modules for Sub-1 GHz ISM band. The tiny modules feature an exceptional sensitivity of -110 dBm that results in the line-of-sight range of up to 500m (for @ANY900-1). Featuring the built-in chip antenna, @ANY900-1 module presents a fully integrated solution for the system integrators and OEMs. @ANY900-2 comes with a U.F.L connector for an external antenna, which enables greater design flexibility and range.

@ANY modules eliminate the need for costly and time-consuming RF development, and shorten time to market for a wide range of standards based wireless products.

@ANY Development Tools

@ANY DESIGN Development Kit is a comprehensive toolset enabling easy design, prototyping and deployment of wireless IEEE802.15.4/ZigBee solutions, using @ANY platform. The development kit provides the developers with everything they need to create market-ready wireless systems and applications. @ANY DESIGN kit supports the intuitive development environment from **Atmel** and open source tools, including embedded debugging feature using Atmel JTAG in-circuit debugger. Each kit contains three **BRICK** sensor boards, @ANY USB Dongle, mJTAG stand-off adaptor and Software & Documentation CD-ROM.



EMBEDDED SOFTWARE

A.N. Solutions applies the same modular approach in software, as it does in hardware. The various embedded software components are designed to interoperate seamlessly and can be easily mixed-and-matched depending on the exact needs of a client. The following @ANY software components are to be available:

- @ANY Smart MAC Suite ("SMS") offers easy control of @ANY platform's functionality via AT commands supporting all IEEE 802.15.4-based functions, as well as facilitates the addition of numerous custom features. The software suite is provided in two different versions, **SMS Base** and **SMS Pro**
 - @ANY SMS Base version provides some basic functionality designed for simple network topologies and evaluation purposes. It can be used to set up Coordinator - End device (star, peer-to-peer) topologies.
 - @ANY SMS Pro version facilitates development of complex applications and supports additional Tree topologies with static routing, based on IEEE 802.15.4 MAC layer. This allows a large number of versatile example applications. **SMS Pro** also provides additional features like data broadcasting and full function device functionality. The data redirect feature enables users to set up tree network topologies. Finally, **SMS Pro** is designated to be a code base for customer requested extensions.
 - Both version will be complemented by @ANY SMS Monitor, a simple, user-friendly GUI for network monitoring and application-driven extensions, while SMS Pro feature a library version.
- Mesh networking topologies supporting dynamic routing schemes, based on IEEE 802.15.4 that are compliant to **ZigBee PRO**, **6LoWPAN**, as well as **Wireless HART**, can be implemented and customized on request.

IMPORTANT NOTE: All data contained herewith are preliminary data only.