

Company profile

About Coronis: www.coronis.com

Coronis is a leading designer and developer of wireless OEM solutions for applications and products that require both ultra-low power consumption and long-range connections. The company is the creator of Wavenis[®], a technology platform that includes the highly optimized Wavenis RF transceiver and wireless communication protocol stack. Coronis offers system integrators a complete line of wireless products and development platforms, all based on Wavenis technology, which meet the technical and cost requirements of today's innovative ultra-low-powered wireless sensor networks.

Major markets for Coronis technology are smart metering, home comfort, alarms for protecting people and property, home healthcare, industrial automation, centralized building management, access control, cold-chain management, as well as long-range UHF RFID applications for the identification, tracking, and locating people and objects.

Based in Montpellier, France, with offices in the United States and in Asia, Coronis has grown consistently since it was founded, now with a staff of 50 employees. Today the company and its customers, major industrial players in key target markets, will reach a new milestone of 5,000,000 Wavenis-enabled products deployed worldwide in July 2010.

In June of 2007, the Elster Group, the world's largest metering company and supplier of high quality integrated metering and utilization solutions, acquired Coronis. As part of the Elster Group, Coronis supplies and supports its existing customer base and also carries on expanding the market for Wavenis adopters.

Coronis at a glance

Coronis was founded in 2000 by a team of four industry professionals with extensive experience in microelectronics and wireless system design, communication protocol development, industrialization processes and also expertise in smart metering. Their original goal remains unchanged today: to offer a wireless platform capable of satisfying technical-economic requirements in both mature and emerging low-power wireless networking markets. This goal is reinforced by the establishment of the Wavenis Open Standard Alliance created in June 2008 (www.wavenis-osa.org).

- Coronis (Montpellier, France): HQ, marketing and communications, sales, R&D center
- Coronis (Raleigh, USA): sales and support
- Coronis / Elster (Shanghai): sales and support
- Distribution partners throughout North America, Europe, Asia
- Founded in 2000
- Staff: 50
- Acquired by Elster Group in June of 2007
- Creation of the Wavenis Open Standard Alliance in June 2008
- Largest Wavenis network: over 100,000 nodes

Management team

- Laurent Maleysson, *Founder, Executive Director*
- Philippe Crolais, *Director of Operations*
- Nicolas Déjean, *Director of Research & Development*
- John Rouse, *Director of Sales, Americas*
- Stéphane Granier, *Director of Solutions*

Product Overview

Advantages: long wireless range, ultra-low power consumption, low cost

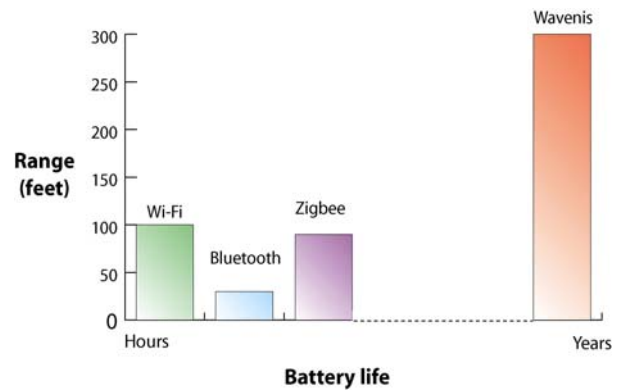
Coronis is the only technology provider that specifically addresses the market for applications and products that require both long-range wireless connections and low power consumption. Optimized for low data volumes and limited radio traffic, Wavenis technology provides wireless connectivity for hard-to-reach devices. Many Wavenis-enabled products offer battery-powered operation of several years without human intervention, using standard batteries. Wavenis platforms can be integrated into new product designs quickly and at a very competitive cost.

Applications and uses: smart objects, traceability, smart monitoring, and more

Technical requirements such as range, long battery life, reliability, and low cost are identical in markets for remote sensor monitoring, smart/wearable objects, personal tagging, and tracking/localization. Other highly attractive applications for Wavenis include:

- Sensor monitoring and data collection processes
- Smart water and energy meter management
- Home comfort, building and industrial automation
- Home healthcare and monitoring
- Security and control applications
- Environment and temperature monitoring

Coronis technology is designed to enable manufacturers and integrators to develop wireless systems based on devices with exceptionally low power requirements and long-range connectivity constraints, both indoors and out. As a complementary technology to Bluetooth and Wi-Fi, Wavenis technology offers a sought-after balance of power consumption, range, reliability, and resistance to physical and electrical interference. Wavenis-powered devices are often integrated into monitoring systems with fixed network and mobile usage models, alongside other standard technologies such as cellular, Ethernet, and Internet services.



Wavenis is specifically designed to provide both low power consumption and very long range between devices.

Wavenis solutions for large-scale integration

Integrators and manufacturers can choose ready-to-use Wavenis OEM cards (complete with the Wavenis connectivity stack) or product development kits to create their own products and custom solutions for automated machine-to-machine (M2M) communications. Coronis customers have used Wavenis OEM products in a wide variety of cost-effective solutions and technically innovative products.



Wavenis technology platform overview

From the outset, Coronis has invested heavily in the design, development, and industrialization of its Wavenis technology, resulting in a finely tuned RF platform and protocol stack that is available to OEM's today. The company also provides platform and board design services for its integrator customers.

With an aggressive R & D program, Coronis continues to drive Wavenis platforms evolution. The next generation of Coronis wireless communication micro-platforms will be based on the very new System-on-Chip to be rollout in 2010. The solution that incorporates a Wavenis capable RF transceiver, an innovative ultra-low power microcontroller, memories, and a set of peripherals into a single integrated circuit. is a case-in-point. The new solution offers unprecedented low-power consumption for large-scale wireless mesh networks, higher RF performance, and the lowest price point on the market.

Ultra-low-power and long-range wireless sensor network solutions
Wavenis technology up to 15 years battery life, range to 3 miles (ISM 433, 868, 915 MHz)
Platforms to meet your time-to-market needs
Small footprint and low cost for mobile and stationary embedded devices
FCC and EU approved
Wireless mesh network topologies unlimited in size or density
Resistant to physical and electrical interference



From start-up to industry leader

Coronis' focus on designing wireless communication technologies began in 2000 in Montpellier, France, when the company was founded by Laurent Maleyssson, Jean-Noël Charpentier, Bruno Colin and Olivier Guilbaud, were joined shortly thereafter by Yann Guimar and Christophe Dugas..The team established a solid long-term technical, sales, and marketing roadmap. As the first international start-up to focus on a new generation of low-power wireless communications, Coronis has been frequently emulated, but never equaled, by newcomers to the market.

In September 2004, Coronis secured additional investment to pursue its international expansion, particularly in Asia and North America. Coronis opened its subsidiary Coronis Inc. in Chicago, USA (September 2005) and then a sales and support office in Shanghai, China (November 2005) to provide local support for sales and integration activities in China and throughout Asia.

The company has consistently pursued its initial vision as it has grown over the years, and has doubled its revenue year after year since its beginning. Driven by the industry experience and engineering expertise of its executive director, Coronis offers technology platforms and solutions for market sectors where ultra low-power, low-cost modules enable customers to differentiate their own products with new value-added services, easy installations, and reliable data exchange in complex heterogeneous networks. Products and platforms based on the company's innovative Wavenis technology keep on shipping in increasingly high volumes.

This greater visibility on the international scene lead to the June, 2007, acquisition of Coronis by the Elster Group, the world's largest metering company and supplier of high quality integrated metering and utilization solutions. Laurent Maleyssson was quoted as saying *"I am proud that Elster Group sees Coronis and the Wavenis technology as an important addition to its smart metering infrastructure and two-way communications solutions portfolio. Coronis will continue to pursue its strategy in providing technology to utilities, meter manufacturers and the home automation market and now it has the scale to further develop its position."*



Wavenis standardization

The cornerstone of the company's overall standardization strategy was the launch of the Wavenis Open Standard Alliance, objective realized in June of 2008. The Wavenis-OSA is designed to motivate the Wavenis user community as well as remain open to new members who want to help build the Wavenis brand and accelerate deployment around the globe. The Wavenis-OSA is also tasked with growing Wavenis standardization as a group effort, along with a timeline and plans for publishing Wavenis specifications, (www.wavenis-osa.org). The Wavenis Open Standard Alliance has also instituted a branding program that carries a commitment for integrators to provide reasonable exposure of the Wavenis logo on the final package and/or product that contains Wavenis technology.

References

Deployment continues to be a primary benchmark with regards to Wavenis' reputation, showing above all that the technical and economic balance of Wavenis is attractive to the highly competitive technology markets around the world. Coronis reached its first major milestone of 1,000,000 products integrating Wavenis 2-way wireless connectivity platform at the end of 2006. Today, Coronis will have reached 5,000,000 units deployed by mid of 2010 in diverse market area. Coronis does business in Europe, North America, Middle-East, Asia-Pacific and South East Asia. Some of the markets served are Industrial Automation and Telemetry, Home Automation and Security, Asset Management and People Track'n Trace, Smart Metering (water, gas and electricity).

Coronis delivers products that comply with the following regulatory norms: ETS 300-220, FCC 15.249 and FCC 15-247, RTTE 99/5/EC Directive, Electrical Safety EN60 950, EMC EN 301 489

In a context of Coronis continuous commitment to improve its internal processes and as well as customer satisfaction, Coronis achieved ISO9001 certification in October 2009.



Contact Details

If you are looking for more details regarding our products or services please don't hesitate to contact us using the following information or send us an e-mail at info@coronis.com .

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Legal mention

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SIRET: 432 619 138 000 22
TVA intercommunautaire: FR 45 4 32 619 138