

ESSENSIUM

Enabling the Next Generation of Wavenis® Devices

ESSENSIUM

True System on Chip
RF Transceiver + MCU

Ultra Low Power
Very Long Range

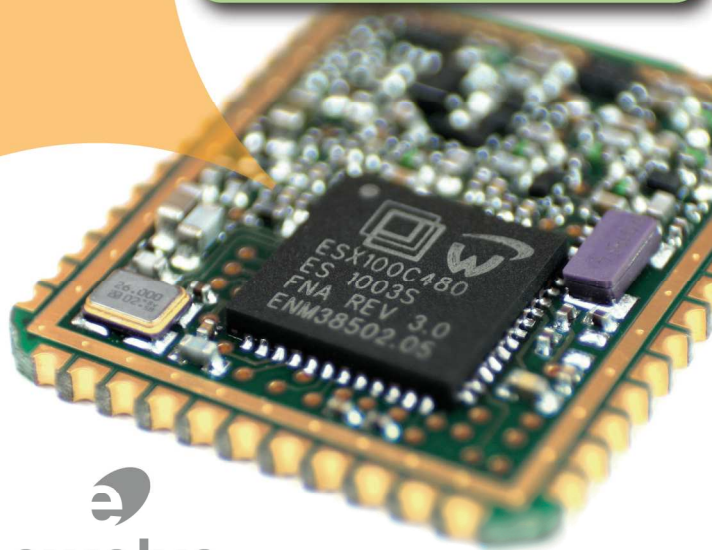
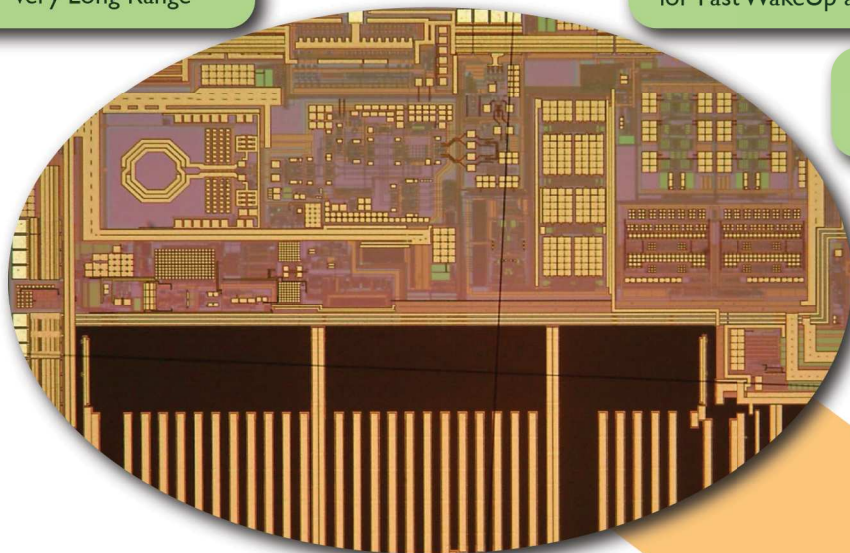
Hardcoded State Machine
for Fast WakeUp and Low Power

Sub 1GHz Transceiver
For Long Range

Frequency Hopping
Spread Spectrum

32-bit RISC MCU
1Mb Flash Memory

Developed for Elster - Coronis



Announcing the World's First
Single Chip SOC solution
developed specifically for
Wavenis® implementations.

WAVENIS® implementations

About Essensium NV

Essensium is a centre of excellence for low power wireless and embedded software and hardware solutions. As a fabless semiconductor company, combining expertise in custom silicon design for portable, wireless, and low power applications, along with a strong embedded software division, Essensium provides System-on-Chip products and design services to original equipment manufacturers, design houses, and ASSP suppliers, along with its own highly accurate and long range Real Time Location System (RTLs) product development. Essensium was created as a spin-off of the nanotechnology research center IMEC and is located in Leuven, Belgium.

For more information on Essensium,
please visit <http://www.essensium.com>



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