

Nordic Semiconductor at a glance



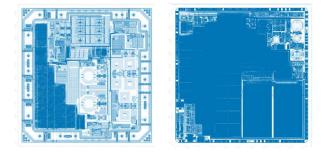
- Fabless semiconductor IoT company
- Low power wireless connectivity and embedded processing
- Bluetooth® low energy / ANT / 2.4GHz RF
- Market leader in Bluetooth® low energy
- > 2 billion wireless ICs shipped since 2002
- Low power cellular IoT development in Finland

A perspective on the last 5 years



from wire replacement to

Internet-of-things



from transceivers to

System-on-Chips

Nordic transformed into an IoT company

Leadership in
Bluetooth low energy



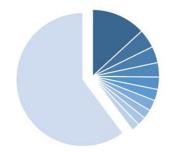
- The driving technology for low power short-range IoT
- Technology and market leader
- > 100MUSD business in 2016

Connecting things to the internet



- Smarter things and services
- Incredible breadth of applications

Built a large and diversified customer base



- Close to tripled our base customers vs. since 2012
- A key characteristic of IoT
- The emergence of nonconsumer

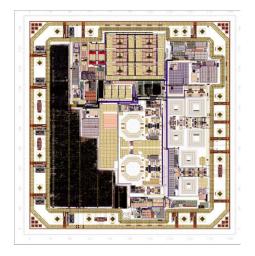
Transceivers to System-on-Chips

nRF24L01 Transceiver (180nm CMOS)

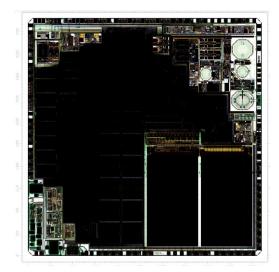


Complexity

nRF52840 SoC (55nm CMOS)

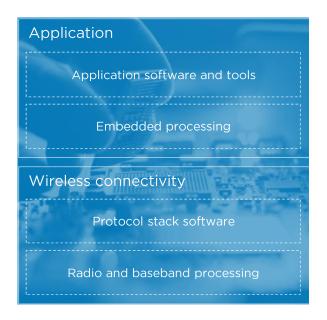


Application and Wireless Connectivity



SoC integration and solutions - key to success

Nordic solution stack



Delivering more value to our customers

- Wireless connectivity + application
- Single chip SoC for power, size and cost
- Robust Bluetooth ASP from 0 to 100MU/y

Competitive differentiation

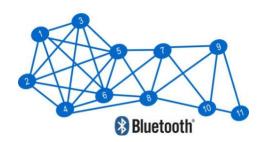
- Leadership position on integration and overall solution including software and tools
- System level power consumption and performance

Driving market growth and diversification

- Easy-to-use and complete solution
- Lowering barriers of adoption
- Enabling new application

Our goals moving forward

Growth and expansion in low power short-range IoT



- Building on our leading position in Bluetooth low energy
- Selected and strategic expansion
- Value add to our customers
- Expanding our addressable market

Build a leading position in low power cellular IoT



- Leverage our strategic investment since 2015
- Leverage synergies with short range – technology and market
- Establish a second growth vehicle

Continue with value add integration and solutions



- SoC, software and tools
- Short-range and cellular IOT
- Increase our value offering per design socket
- Competitive differentiation

Market outlook - Bluetooth low energy

Bluetooth low energy IC market 2017 - 2020







30 to 45% 3-year CAGR

- Growth in existing verticals
- New verticals/applications
- Fast paced and innovative
- Emergence of non-consumer

Diversification in types of ICs

- High-end SoCs
- Mainstream SoCs
- Baseline SoCs
- Network processors

Emerging

Established Verticals

Long tail

(...)

Market outlook - low power cellular IoT

Buildings

Transport

Enterprise and

Retail

LTE-M / NB-IoT IC market 2017 - 2020 Smart City Home Healthcare Industry



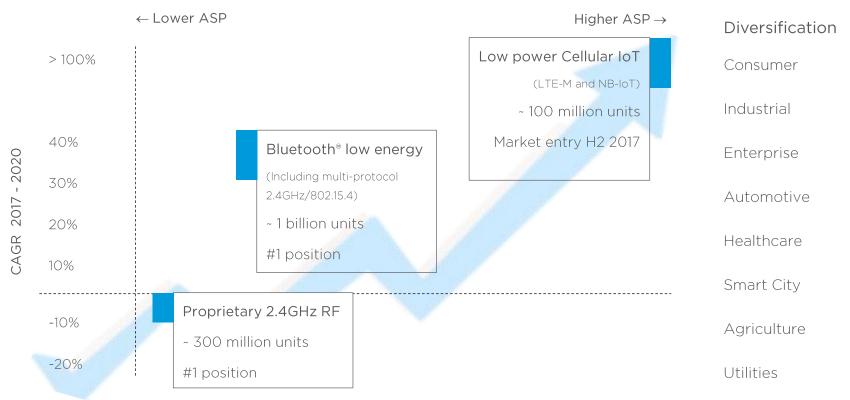
100%+ 3-year CAGR

- 2G/3G replacement
- Growth in existing applications
- Emergence of new applications

Driving use cases

- Remote monitoring
- Predictive & remote maintenance
- Remote operations
- Internet connectivity

Uniquely positioned in fast growing markets





Last 5 years

- Transformed into a leading IoT company
- Transceivers to highly integrated SoC solutions
- Achieved leadership in Bluetooth low energy
- Strategic investment in low power
 Cellular IoT

Next 5 years

- Continued investments for growth
- Growth and expansion in Bluetooth / short-range IoT
- Build a leading position in low power cellular IoT

