Chip Implant information

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Technology

- Smart implants are becoming an everyday tool. Already, tens of thousands of people are using subdermal implants for identification, access, payments and measuring body data around the world and yet we are only in the beginning of this development.

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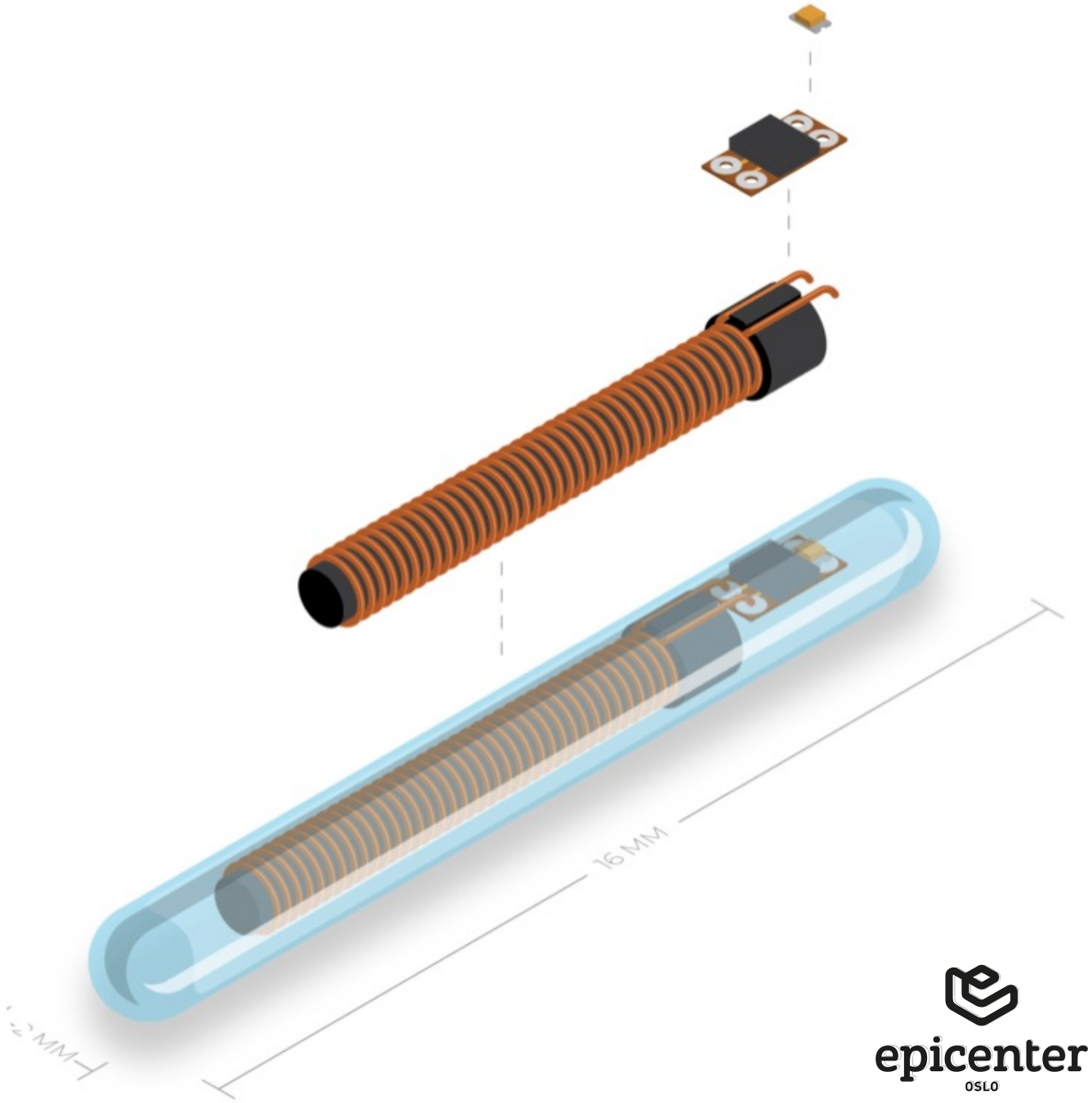
DSruptive with LED-light



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Chip from DSruptive with Led-light

- The xSIID is a next generation NFC compliant microchip implant which leverages the SIID, an innovative OEM module design from Dsruptive.
- The module houses both an NTAG I2C NFC chip and an LED indicator tied to the energy harvesting pins of the NTAG I2C.
- This design ensures the LED does not interfere with operation of the NFC chip and always receives filtered power output regardless of field variance.
- The xSIID comes in a variety of colors and offers the 1kB (888 bytes) user writable memory.

- You can store website URLs, contact details, or arbitrary binary data and share that with anyone who scans your xSIID with an NFC enabled smartphone.

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DSRUPTIVE implantable hardware

Presenting Siid

Designed in Sweden for humans

Small Form Factor

The DSruptive board dimension are so small, which makes it possible to embed in a bioglass

Energy Harvesting

Reuses the energy from any NFC reader to activate components or sensors connected to the DSruptive board

2KB Memory

Store your personal data in public and password-protected partitions accessed via NFC

50 Year Memory Retention

A guaranteed 50 years of memory retention for your data

Status LED

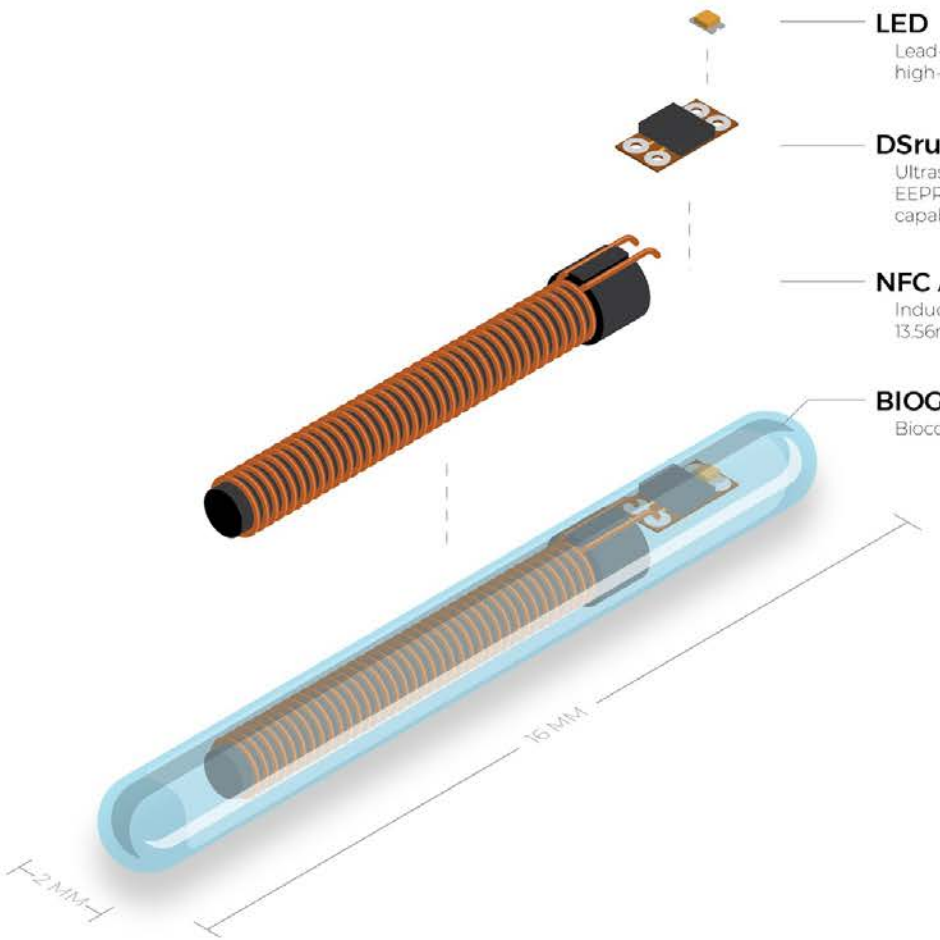
LED offers visual communication - Blinking when approaching NFC and On when information is shared

Works with iOS and Android

Fully compatible with Android 4.4+ phones with NFC capabilities and iPhone 7 or newer models

Retrocompatibility with NFC

The DSruptive board uses a NTAG chip, which is retrocompatible with the whole NTAG and MIFARE family



LED

Lead-free and RoHS Compliant high-brightness LED

DSruptive BOARD

Ultraslim PCB with NFC interface, EEPROM, and energy harvesting capabilities

NFC ANTENNA

Inductive ferrite core coil at 13.56mhz

BIOGLASS

Biocompatible certified glass.

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Areas to use you LED-chip today

Works with iOS and Android
Fully compatible with Android 4.4+ phones with NFC capabilities and iPhone 7 or newer models

Works with RFID
Compatible with RFID tecnology, like different access systems.

Technologies available
The DSruptive board uses a NTAG chip, which is retrocompatible with the whole NTAG and MIFARE family

Status LED
LED offers visual communication - Blinking when approaching NFC and On when information is shared

50 Year Memory Retention
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SATS key
You can use your implant as your SATS key in certain center that support the technology

House key
You can use your implant as your house key with certain type of readers. If they are compatible with NTAG and Mifare family - know that ID-lokk 150 electrical doorlock from Elkjøp works.

Epicenter key/lunch
Not optimal today as the Software they use are different from the readers. Working with optimize the solution.

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General information

- Works with solutions that support NFC and RFID technology. The biggest challenge is that the system who use this technology don´t know about the chip or how to connect them.
- APP: NXP TagInfo, tagwriter, NFC Tools
- Website: https://dsruptive.com/

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