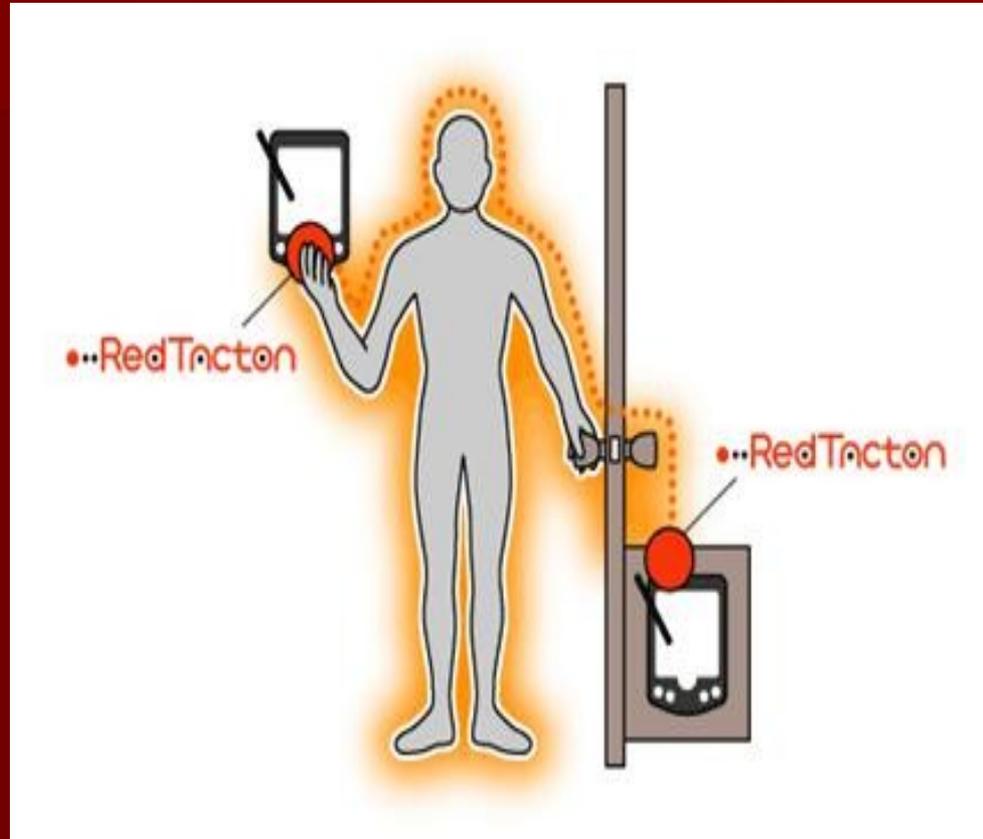


# RedTacton

## Human Area Networking Technology



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# What is RedTacton?

- RedTacton is a new human area networking technology that uses surface of the human body as a **safe , high speed network transmission path.**
- Uses a transmitter and a receiver, or a **transceiver**, which provides both functions
- A transmission path is formed at the moment a part of the human body comes in contact with a RedTacton transceiver.

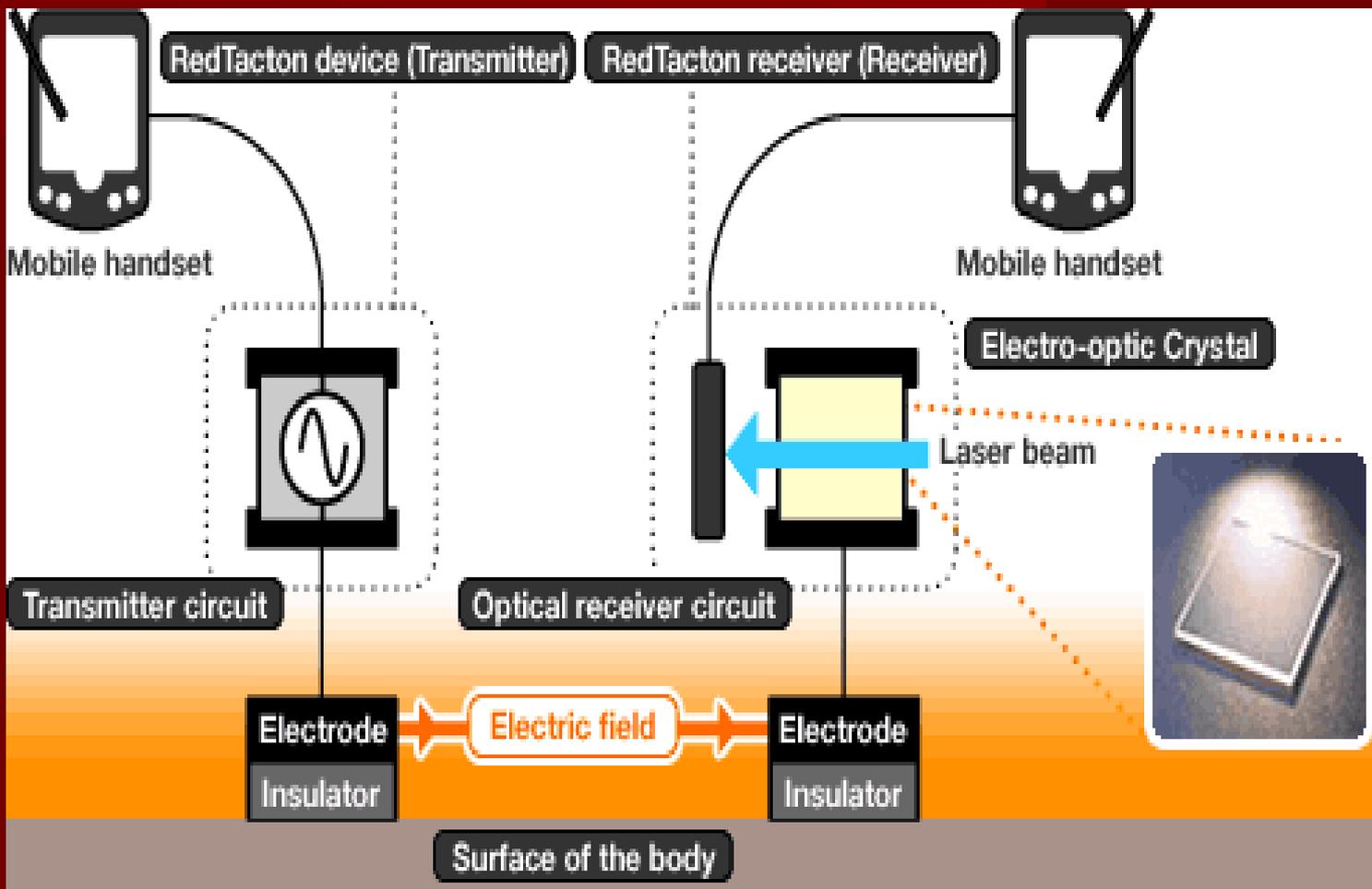
# Cntd...

- Communication is possible using any body surfaces, such as the hands, fingers, arms, feet, face or legs.
- RedTacton works through shoes and clothing as well.



- Use:  
To transmmmit  
& receive DATA

# How it works?



Point to Point Network

Transceivers exchange information - no server

Optical properties of electro-optic crystal - varies based on electric field

Data received using photonic electric field sensor combined with electro-optic crystal and laser light

# Security

- Requires physical contact
  - > Must be wearing the transceiver and touching something else with a transceiver
- Allows for encryption and authentication
- Programmable
  - > You decide what to share with whom and what devices you communicate with

# Useful in Applications

- High-end Military Weapon Technology.
  - Viper – tank missile
- General Security
  - Swipe card
- Medical
  - insulin pum



# 3-features

## Touch

Communication with just a touch or a step!

## Broadband & Interactive

Bandwidth does not deteriorate even with duplex operation and simultaneous access by many users!

## Any-media

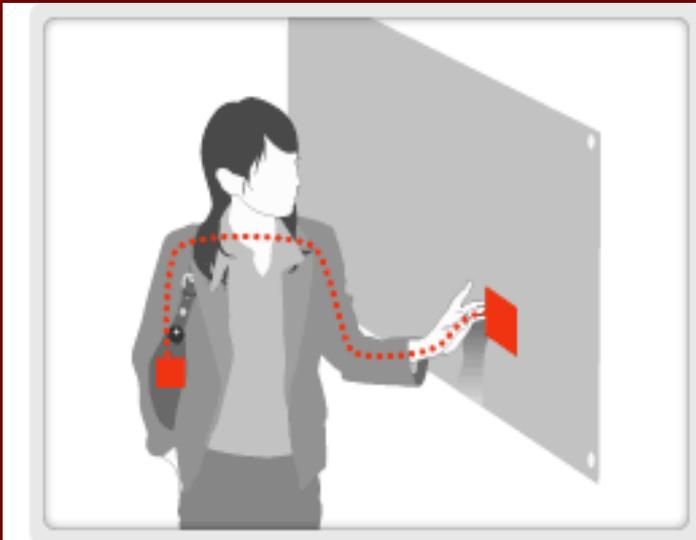
Works with many transmission media common in human life!

# 1 to 1 Service



## Human ERROR Detection

- An alarm sounds automatically to avoid accidental medicine ingestion

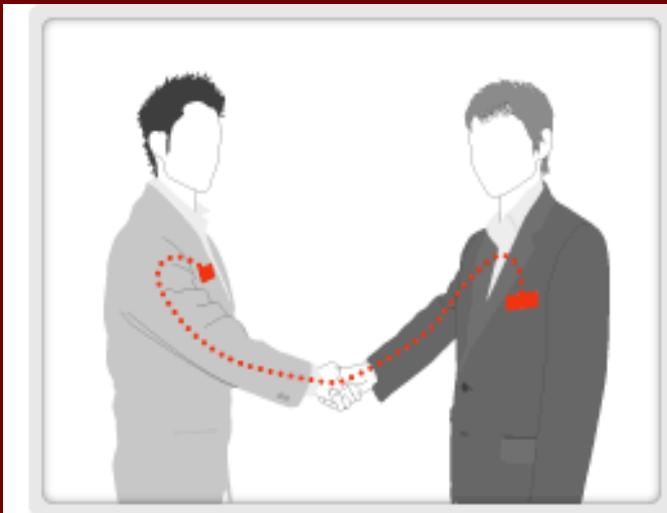


Touching advertising  
and receive information

# Intuitive operation of personal information devices

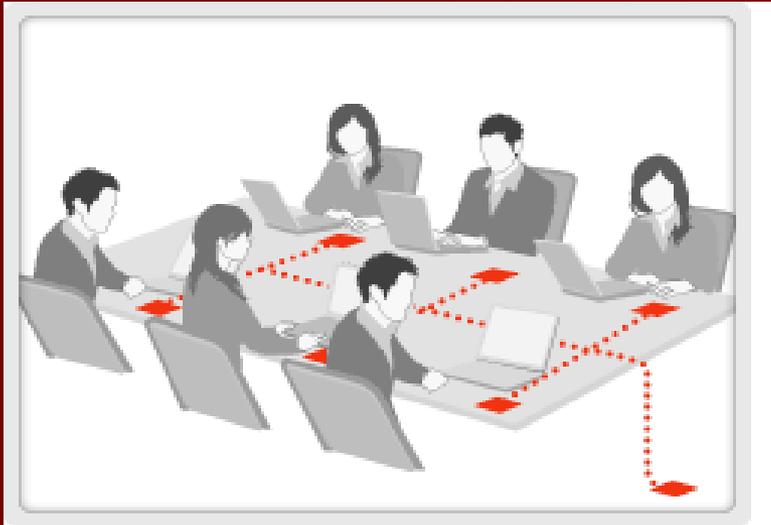


- Touch a printer to Print

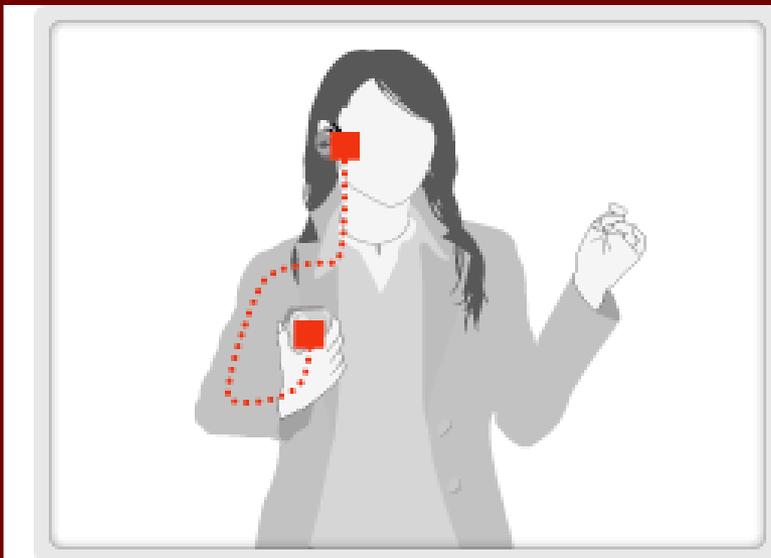


- Instantaneous private network via personal handshake

# New behavior patterns



- Connect to the network just by putting a lap-top on a Table

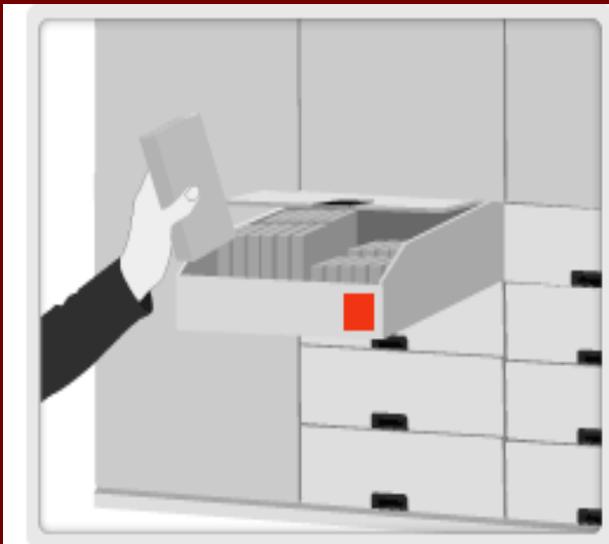


- Wireless headset

# Security applications



- User verification and unlocking with just a Touch



- Automatic access log for confidential document storage

# Communication in Domains



Potential for use as communication method in outer space and under water



Potential for use as communication method with devices inside the human body



## REFERENCES:

[www.google.com](http://www.google.com)

[www.wikipedia.com](http://www.wikipedia.com)

[www.redtacton.com](http://www.redtacton.com)

# THANK YOU

**Question ?**