Intelligent connectivity platform for context aware personal health systems – HiConcept

Value proposition: Connecting your sensors and user's personal data securely with minimal time-to-market and low costs. Includes production rule system for complex event processing.
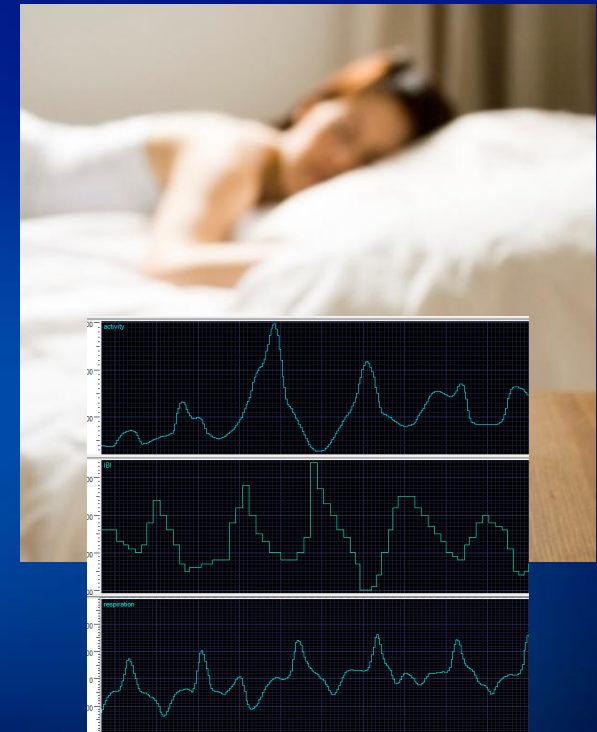
Competitive edge: Fully distributable communication framework, supports data replication between data centers, enforced data security, authorization and authentication. Possible to deploy on single board PC such as Rasberry pi or BeagleBone (gateway). Distributed or centralized data analysis module support.

Development phase: Validated on customer cases in healthcare applications.

IP status: Software notification in VTT

Offering: Prototype for new applications and services including integration with existing customer systems.

R&D infrastructure: VTT's platform as a service (PAAS) for customer on-site/own company testing of the system

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Connectivity platform for homecare products and sleep sensor system Matsense

Value proposition: Low cost and short time to market solution for connecting VTT's sleep sensor system to your existing product.
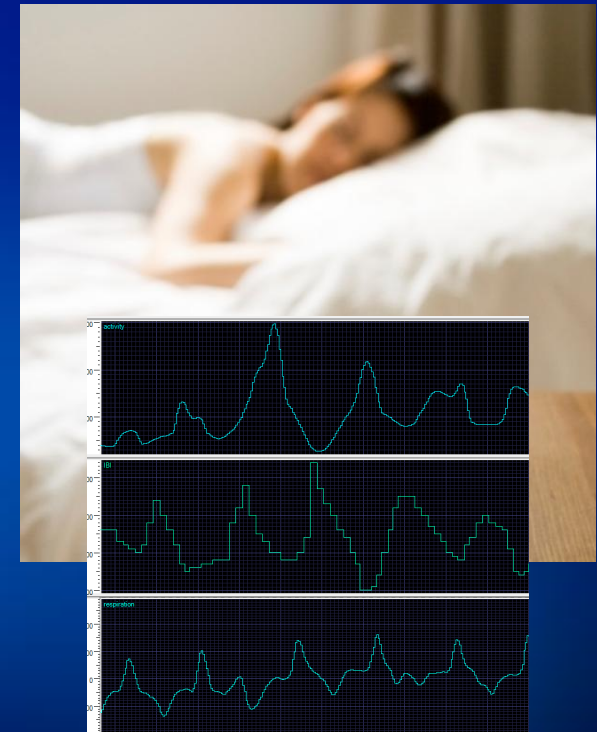
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Offering: Prototype for new applications and services including integration with existing customer systems.

R&D infrastructure: VTT's platform as a service (PAAS) for customer on-site/own company testing of the system.

Bed sensor for unobtrusive sleep monitoring: Matsense

Value proposition: New signal conditioning electronics to enable use of low-cost printed sensor foil structure in place of piezo-foils.
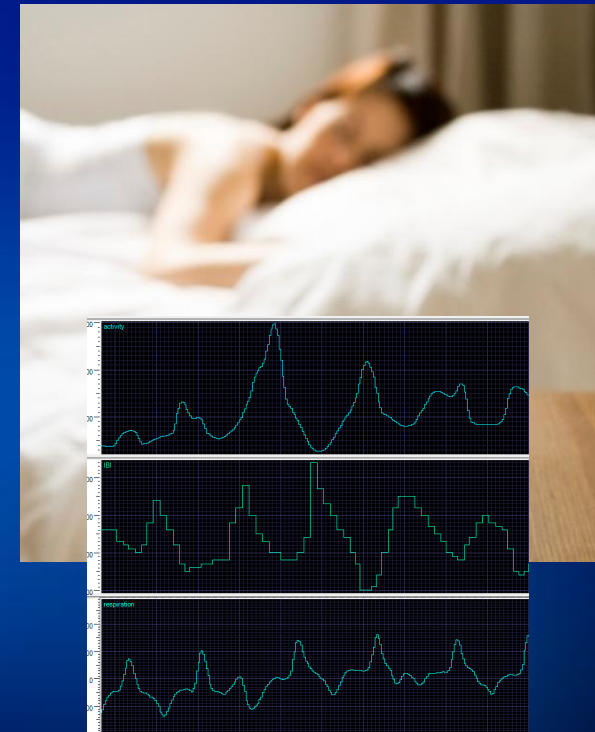
Competitive edge: Multichannel bed sensor algorithms improves accuracy and robustness for sleep analysis.

Development phase: Validation studies are published with existing piezo-foil sensor and on-board implemented algorithms.

IP status: Algorithm patent, new electronics principle

Offering: HW and SW prototyping, validation measurements

R&D infrastructure: electronics and sensor material lab, algorithm and SW development, portable polysomnography for reference

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