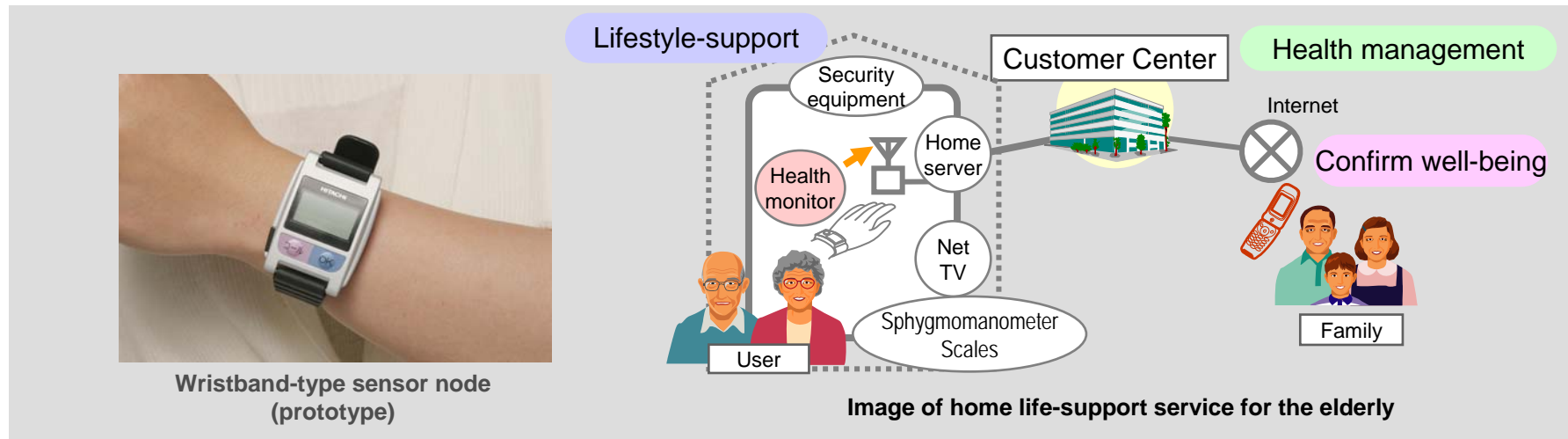


2005/5/24 Release

Development of a wristband-type sensor node for wireless monitoring of human movement and pulse - Enabling healthcare services to watch-over health conditions within everyday life -



Hitachi, Ltd. has developed a wristband-style sensor-net terminal (henceforth, sensor node) which monitors a person's movement or pulse through wireless communication. This compact sensor node integrates the core components of a sensor node as well as a pulse sensor, acceleration sensor, RF antenna and battery within a space of 6cm (h) x 4cm (w) x 1.5 cm (d), and weighs just 50 grams. As it can be easily worn, measures the pulse or movement of the wearer on a daily basis, transmits that information via the network, this sensor node is expected to find application in services such as healthcare management, and living-at-home support of the elderly.