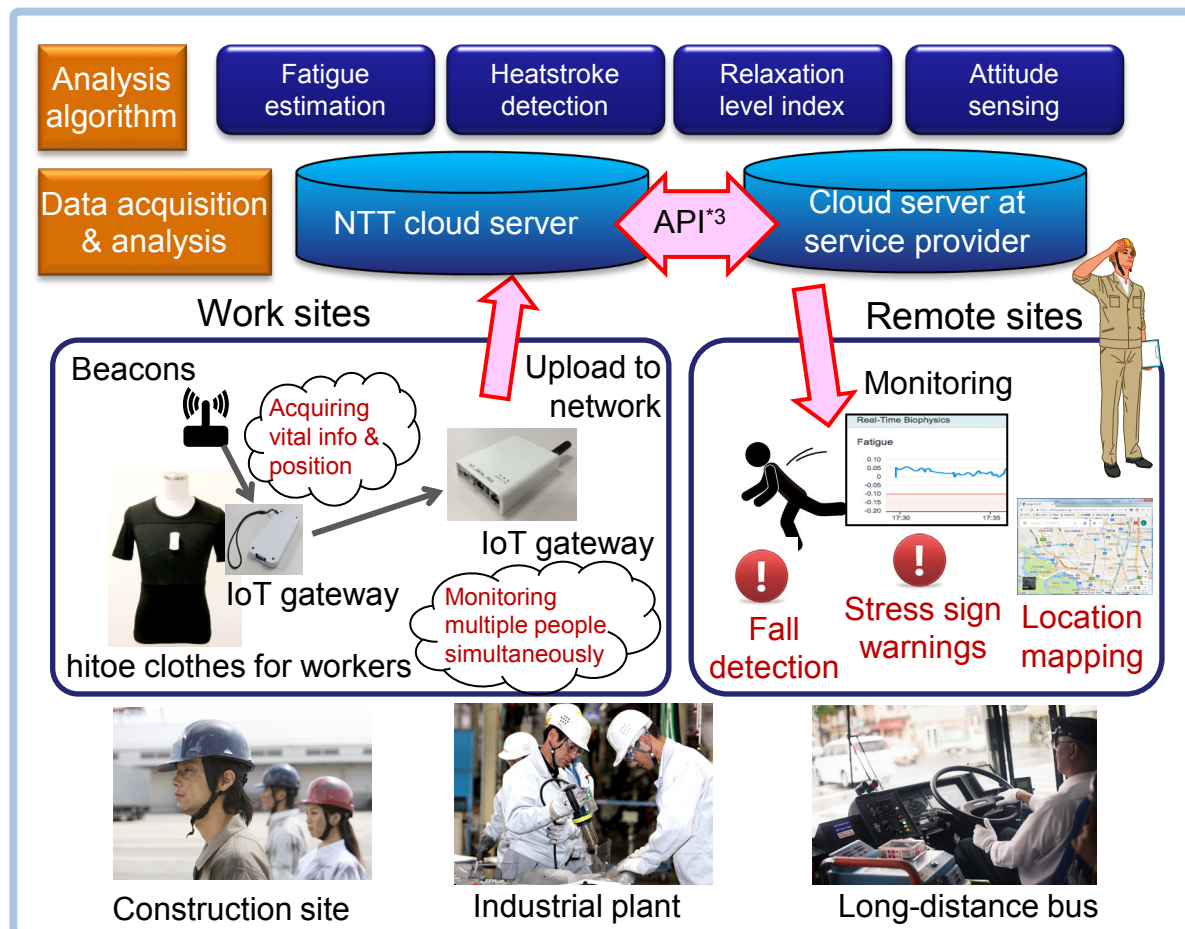


# Monitoring health condition of business workers with “hitoe” and IoT gateway system

A wearable vital sensing fabric called “hitoe<sup>\*1</sup>” enables measurement of vital information for an extended period without stress to the user. The real-time health monitoring system with hitoe clothes and a wireless IoT<sup>\*2</sup> gateway system monitors the health condition of multiple workers simultaneously without them having to carry the latest smartphones.



## Features

- Acquires heartbeat, electrocardiogram (ECG) waveforms, and accelerometer data with very low-impact for business workers
- Monitors multiple people simultaneously and in real time with a wireless IoT gateway system
- Estimates mental and physical status such as relaxation level, heatstroke, and posture by analyzing sensing information at our cloud server



## Application Scenarios

- Health monitoring for workers at construction sites and automated industrial plants
- Health checks and monitoring of long-distance bus and truck drivers

## Collaboration Partner

The hitoe clothes for workers are jointly developed by Toray Industries, Inc. and NTT.

<sup>\*1</sup> hitoe is a registered trademark of Toray Industries, Inc. and Nippon Telegraph and Telephone Corp., which developed it jointly. <sup>\*2</sup> IoT: Internet of Things <sup>\*3</sup> API: application programming interface