

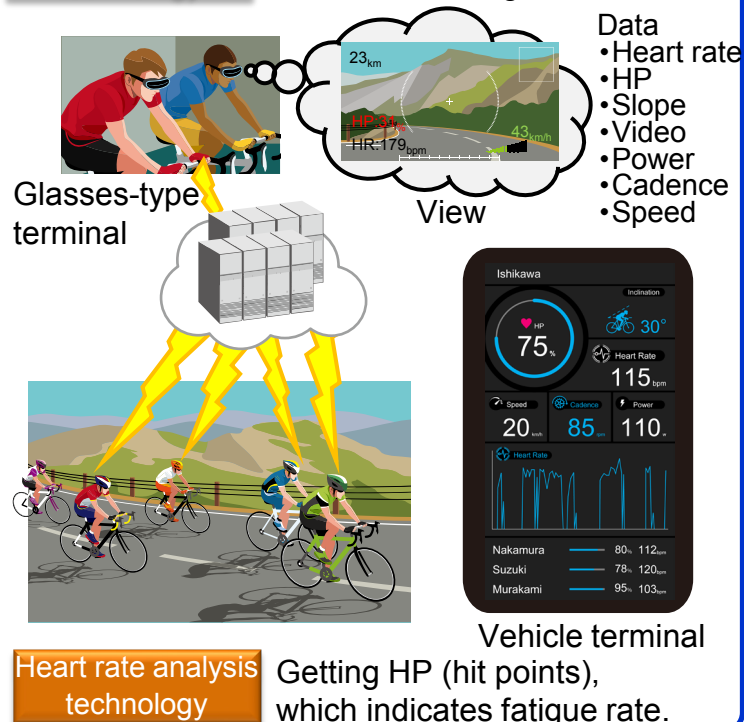
Sharing the feeling of moving in sports together with others by wearing "hitoe"

A wearable vital sensing fabric, called "hitoe*," enables biological information to be measured, such as the heart rate and myoelectricity of athletes and you when exercising. By integrating biological data with information acquired by video and other sensors, you can experience amazing entertainment, sports, and effective training by sharing together with others the sense of urgency, an uplifting feeling, and fatigue that only the individual can understand.

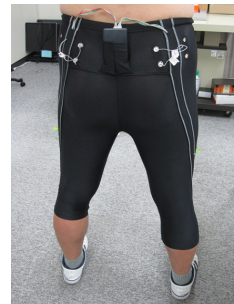
IoT road bike

Real-time delivery technology

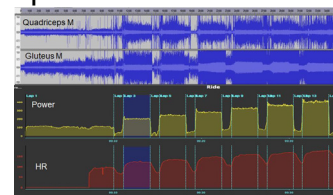
Delivering video and sensor data and sharing realism.



hitoe electromyograph



Myoelectric compression sportswear



Training data of a professional cyclist

Muscle activity analysis technology

Visualizes muscle usage and muscle fatigue.

Features

- Share a high-level sporting experience by combining heart rate data with "hitoe", video taken with a camera, and power provided by a power meter and by delivering these data through the web in real time.
- Estimating the fatigue rate, referred to as HP, with original heart rate analysis technology.
- Estimating muscle usage and muscle fatigue by applying the wearable hitoe myoelectric meter to compression sportswear.



Application Scenarios

- Providing a highly realistic race viewing experience by sharing with an audience a sense of urgency, an uplifting feeling, and the fatigue rate of the athletes in real time.
- Emphasizing the sense of unity when cycling as a group by sharing with each other a sense of urgency, an uplifting feeling, and the fatigue rate that only the individual can understand.
- Providing more precise training by acquiring the fatigue rate, muscle activity, and muscle fatigue data by using the "hitoe" for daily training.

* hitoe is a registered trademark of Toray Industrial, Inc. and the Nippon Telegraph and Telephone Corp., which developed it jointly.