

T-iDigital Field / Tunnel

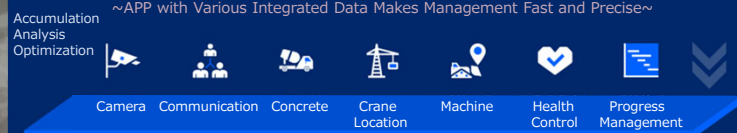
T-iDigital Field is developed as a platform to accumulate, analyze, and link all kinds of information about workers, stuff, and issues scattering everywhere at construction sites. It is now consecutively implemented and customized for not only tunneling sites, but also various kinds of construction projects. T-iDigital Field collects data about "workers", "stuff" and "issues", and showcases on the cloud, which realizes the concept of CPS as shown below. The "stuff" denotes the environment and behavior of heavy equipment, machinery, and structures. The "issues" stands for safety, quality, and process relating information. With this state-of-the-art technology, you can predict and solve problems that happen at any sites, achieving productivity enhancement with reducing mistakes and waste.

Solution at Construction Site for Both Contractors and Clients

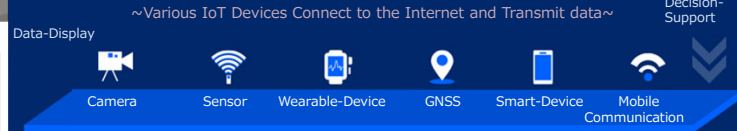
Automated Management
→ Reforming Working Style

Automated Machinery
→ Productivity Improvement

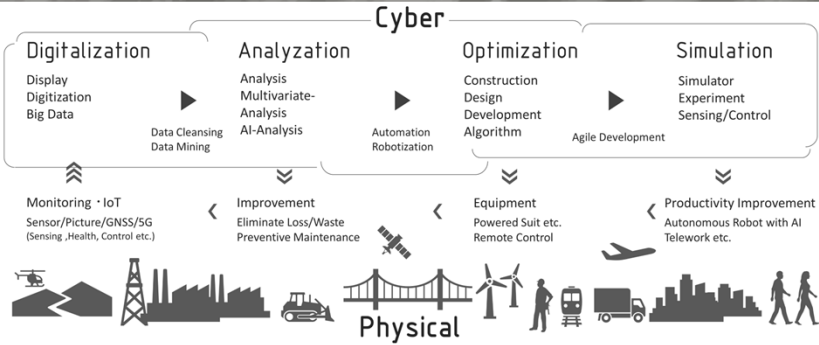
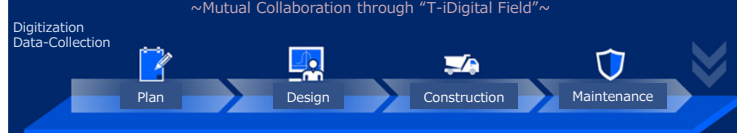
Digital Twin by "T-iDigital Field"



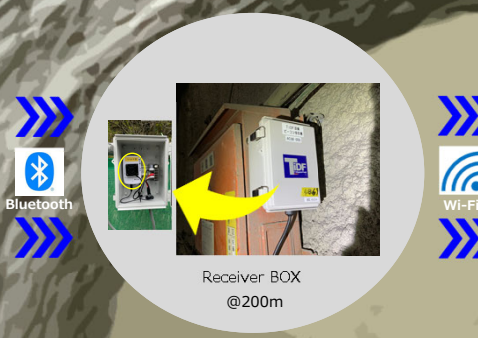
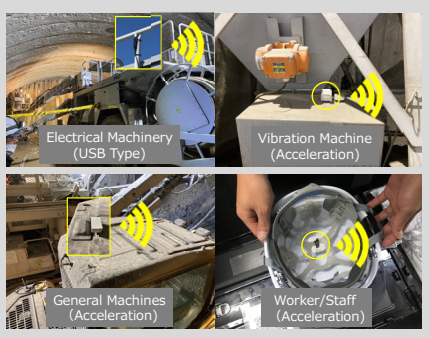
Real-Time Data Sharing via User Interface



Construction Sites in Physical



System Configuration

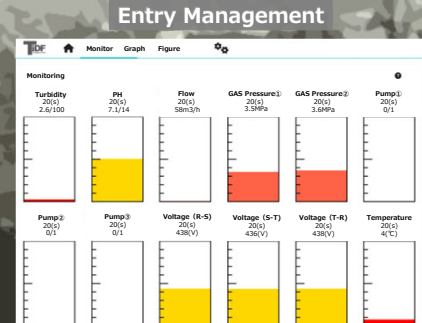
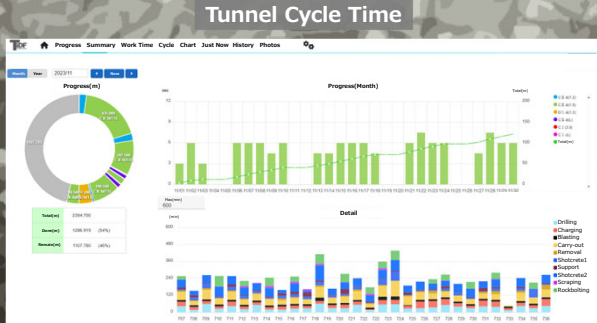
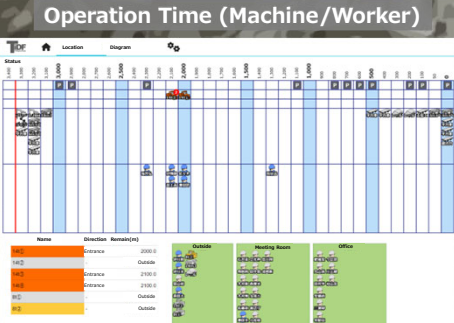
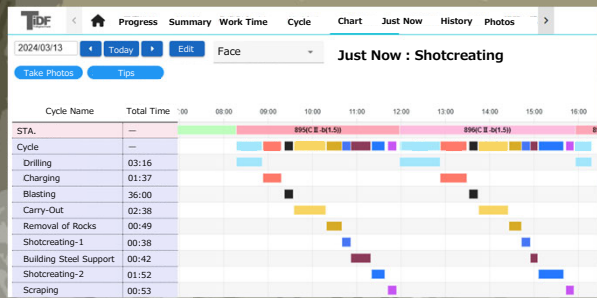
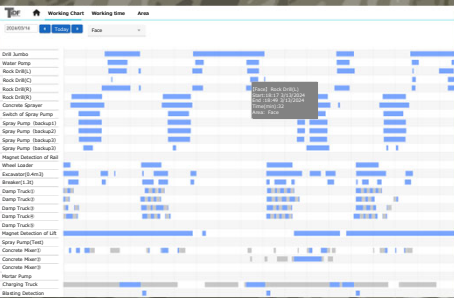


Transmitter : Beacon (USB/Acceleration)

Receiver : Gateway

Construction Management Applications

Application



Location (Machine/ Worker)

Progress Management

Monitoring System