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Eco-innovation and environmental sustainability in road and motorway green management

Valerio Molinari - ECOGEST SPA, Italy

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COMPANY





Connecting the **company** to the **worksite** with **Digital Technology**











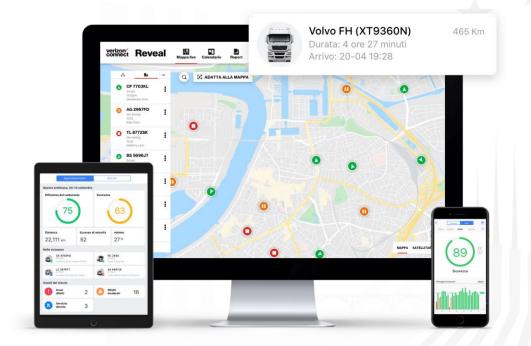
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- The complete **digitisation** of operating machines and their real-time monitoring
- An optimisation of production
 performance and green management costs
- A redistribution of the economic budget for green maintenance
- Greater **sustainability** of interventions to safeguard Biodiversity and Entomofauna





USE OF SENSORS AND INNOVATIVE DIGITAL APPLICATIONS



- Control access and monitor the safety of workers and users
- Automate machine and material tracking processes

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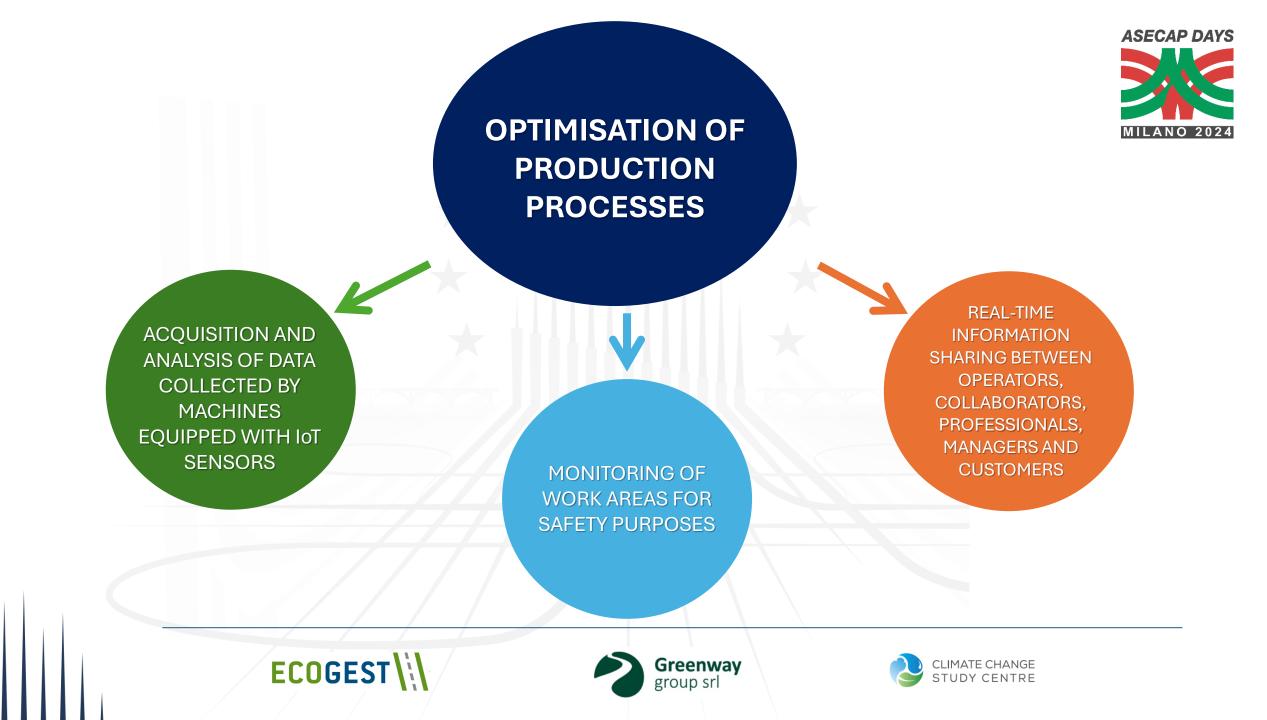


- Obtain information in real time and automatically to monitor the progress of the order
- Identify intervention times in a timely manner













Industry 4.0 passes through the smart factory

concept which consists of 3 parts:

✓ SMART PRODUCTION

✓ SMART SERVICES

✓ SMART ENERGY







Traditional Yard



Digital Yard





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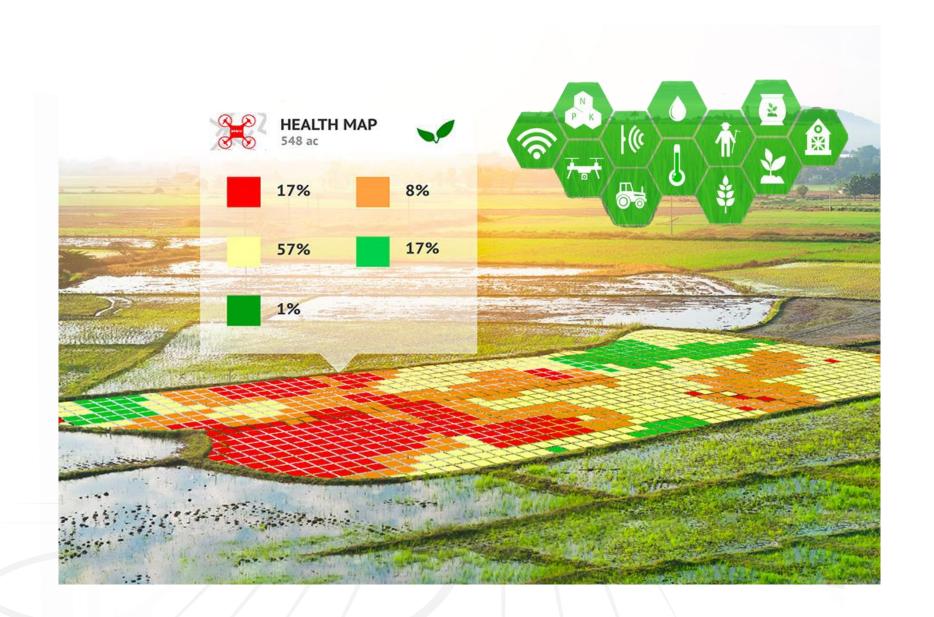










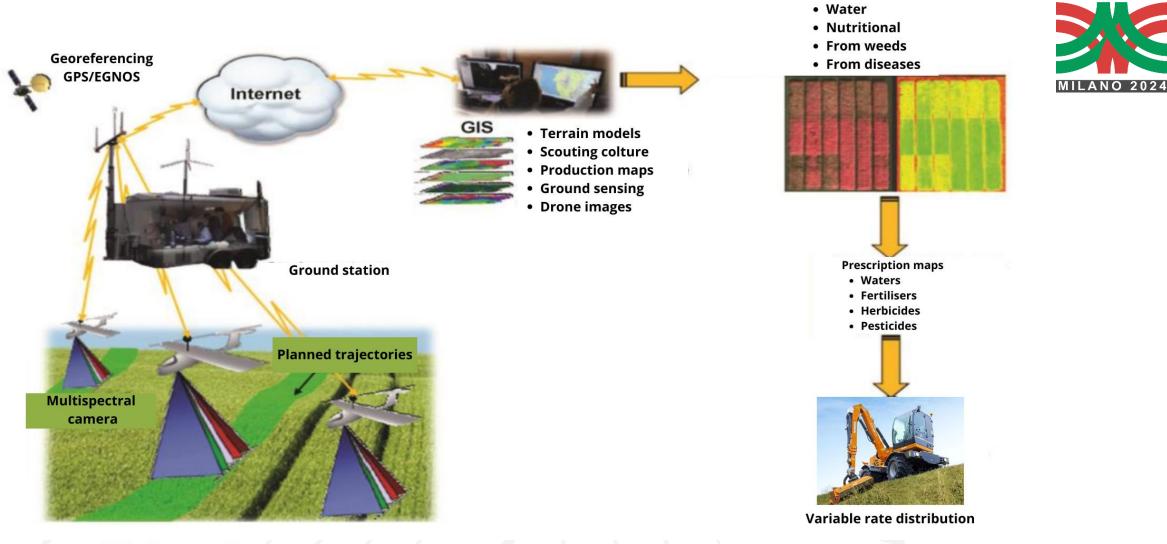












Explanatory diagram of precision agriculture with drones. Source: Paolo Amirante, Università degli Studi di Bari

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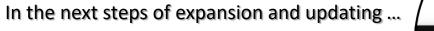


Stress recognition

ASECAP DAYS













FULL DIGITISATION OF GREEN MANAGEMENT

Car









THANK YOU GRAZIE

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