

CANTIERE TRASPARENTE

TRANSPARENT CONSTRUCTION SITE

Esperienze in Italia

BWI Ad-hoc WG Future of Work

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Workers are active part of the gradual expansion of the digitalization of all the operational phases of the construction site (in particular with the use of Building Information Modelling – BIM).



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Digitalisation for quality and energy efficiency of the construction or renovation works can not be achieved without proper checks and recording of information on:

- **the professional skills**
- **safety conditions**
- **regularity of employment**

of the workers who carry out the work



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Unfortunately, the idea of dissociating the quality of construction from the quality of working conditions, starting with safety, is still too widespread among contracting authorities/contractors, companies, designers and site managers, even though they are closely related.

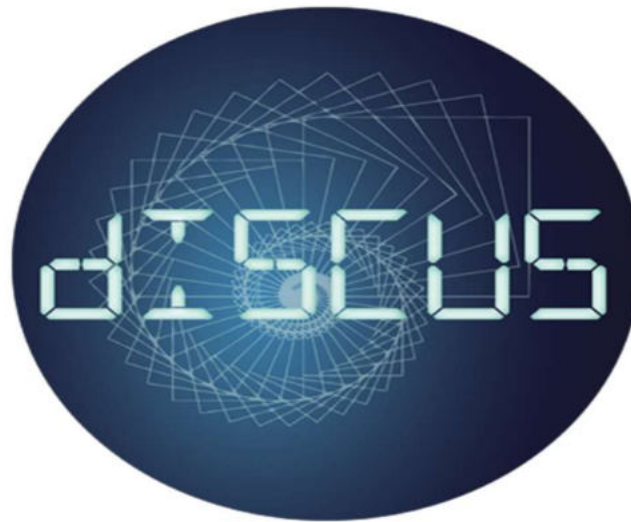


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Fillea CGIL has contributed to the realisation of an important research financed by the European Commission and coordinated by the Fondazione di Vittorio - DISCUS - www.discusproject.eu - in which many innovations and changes due to the digitalisation of construction sites and their effects on the organisation of work have been analysed, including the importance of worker traceability for the quality of work and safety.



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This can be done through a digital registration system for each worker:

- registration/certification of training and skills, licences, professional qualifications;
- recording of information about the employment contract, level of employment, health check;
- registration of entry and exit from the workplace.

It should be emphasized that the site badge must not be a tool used for remote control of the worker!



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In Italy we have been experimenting for years with a system for recording of training and regularity of work on construction sites, verifiable through a badge.

CASSA EDILE DI FIRENZE PROGETTO
«CANTIERI TRASPARENTI» RILEVAMENTO
DELLE PRESENZE
BADGE ELETTRONICO



- ☐ Time and attendance tracking on site (any company figure, suppliers, visitors)
- ☐ Site Tutor Service monitoring of training courses
- ☐ Monitoring of health compliance obligations
- ☐ Preventive alerts in cases of training needs
- ☐ Connection to payroll software (on request)
- ☐ Availability of attendance reports, training courses, health obligations on the internet portal

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**Post-earthquake reconstruction 2016 in Central Italy - MACERATA -
EXPERIMENTAL ACTIVATION OF COMPUTER SYSTEMS FOR DETECTION OF
AUTHORIZED PRESENCE ON SITE.**

The law (D.L. 189/2016) for the reconstruction of Central Italy hit by the earthquake in 2016, introduces strategies to ensure the protection of workers to be engaged in reconstruction to:

- Eliminate situations potentially favorable to illegal practices and illegal hiring phenomena;
- Tackling contractual dumping and unfair competition;
- Prevent mafia infiltration phenomena.

With this goal in mind, the construction site badge is being tested in Macerata to record and verify attendance at construction sites and the regularity of work. The data are integrated in real time to the portal of the Government Commissioner for reconstruction which can be consulted by the control bodies.

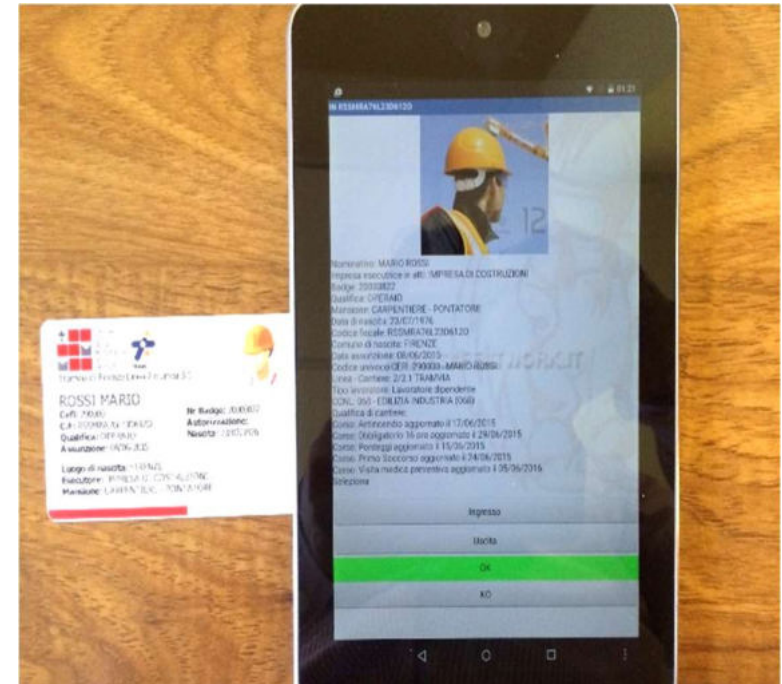


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- ❑ The worker who enters the construction site or in the headquarters will contact the manager in possession of the mobile phone holding the badge to the mobile phone;
- ❑ The working time will be stored in a portal available to the company and authorized parties;
- ❑ The software is completely customizable the contents and procedures are agreed;
- ❑ Preventive alerts in cases of training needs;
- ❑ The internet portal, with reserved access, will make data accessible in real time to the people in charge of site, to the building authorities and to control bodies.



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One aspect of particular importance is the possibility of checking daily working hours, as failure to comply with maximum daily working hours and the resulting right to rest can be grounds for a fine:

1. exponential increase in workers' exposure to accident risk;
2. exposure of workers to labour exploitation, working time being an indicator of this phenomenon, as indicated by the ILO.



The European Court of Justice (Judgment of 14 May 2019, case C-55/2018) recently ruled on the obligation for all employers operating in the Member States to record the working hours and overtime of employees.

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In Italy, the use of this type of procedure is prescribed by:

- ☐ Rules governing the construction of large strategic public works;
- ☐ Protocols on Legality between institutions and social partners for legality, regularity and safety at work;
- ☐ Territorial collective labor agreements.
- ☐ **The management of these procedures for the transparent construction site are generally carried out by the system of bilateral construction bodies (with a control of trade unions and work council).**

On the basis of the National Collective Labor Agreement (CCNL) for Construction Work and the respective territorial Collective Agreements (regional or provincial level), the Construction Funds (Cassa Edile) and the Joint Committees for Safety and the Building Schools are active in each territory. They are managed equally by the workers' trade unions and employers' associations.