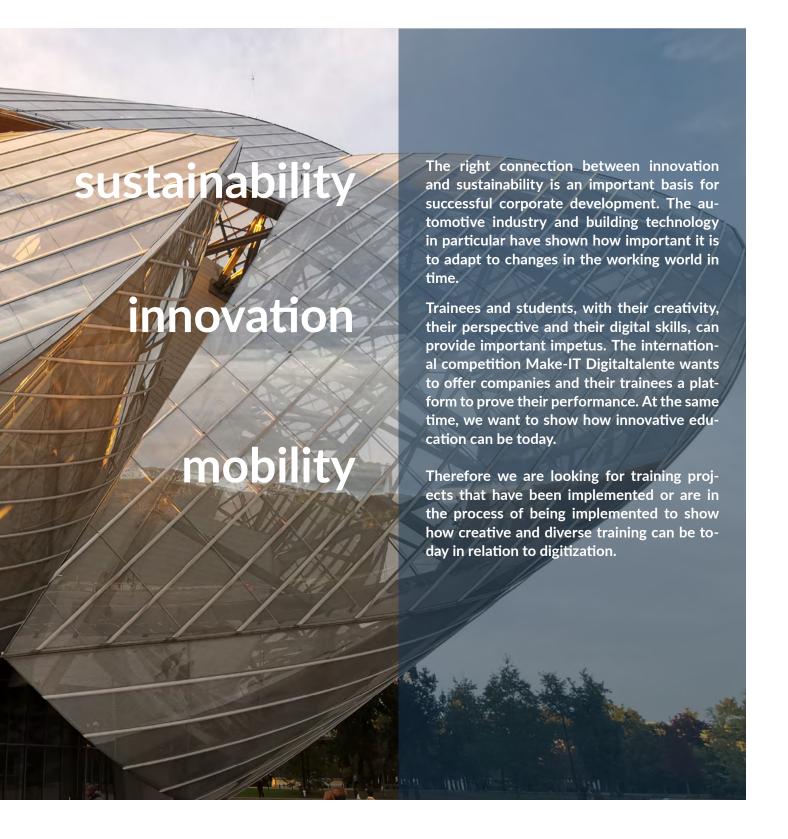


Senatsverwaltung für Integration, Arbeit und Soziales **BERLIN**









competition

smart cities

Smart cities refer to networked intelligent systems in building technology, operating technology or traffic control by using intelligent devices.

Networking and evaluation of data enables more effective coordination or evaluation of processes. In this way, the processes can be controlled, recorded and processed in a complex manner on notebook, via mobil devices or via the internet.

Whether in autonomous driving or in quality control, the basis for an intelligent system is the recording and processing of digital data, for example by sensors or actuators.

An effective interaction of processes also promotes the sustainable use of resources and enables data exchange among each other.



In the competition we would like to take up this idea in the smart cities category. We are looking for projects that actively deal with the topic of digital networking and data analysis.

This can affect both, the evaluation and optimization of work processes or procedures, or as well the development of new mobility solutions.

Innovation, sustainability and digitization often start small.
Analogue processes experience a new appreciation through sensors, mobility and technology are reinterpreted through big data analysis.

possible topics

- » Optimization and digitalisation of existing work or production processes
- » Networking of existing systems and equipment with additional sensors
- » Data evaluation and networking of different data sources





competion extended reality

Extended reality makes it possible to simulate processes, to make procedures visible and explainable. This allows difficulties to be identified in time and complex solutions to be developed at all.

At the same time, extended reality can be used to qualify employees, to simplify the control of complex processes or to realize operations more user-friendly.

Virtual reality (VR), augmented reality (AR), but even computer games (serious games) and intelligent applications make it possible to simulate complex work processes and to design training courses close to reality.



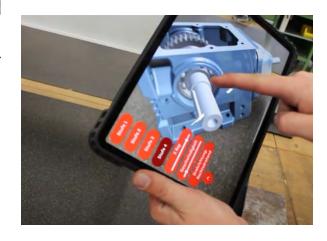
In the competition we would like to take up this idea in the extended reality category. We are looking for projects dealing with visualization of learning and work processes.

It can be a self-designed VR or AR scenario, as well as a self-developed educational game, or a supported work based training process. Even self-developed apps or user interfaces, making it easier to control or illustrate complex work processes, for example in the field of data analysis and data evaluation, fall into this

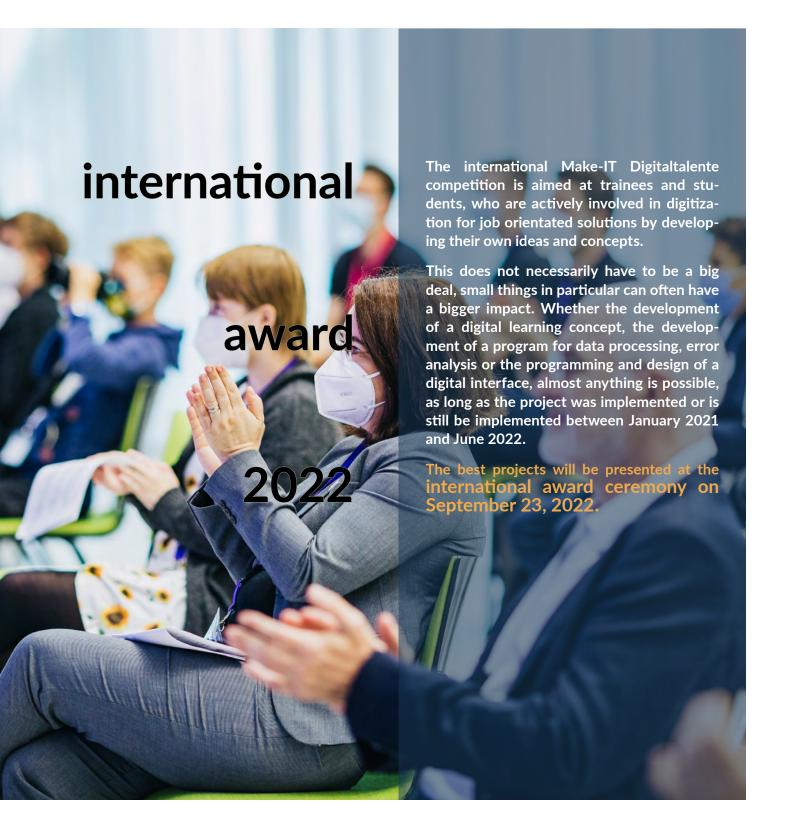
category.



- » Self-developed digital learning tools to qualify employees for specific activities
- » Digital twins to simulate or control real work processes
- » Own applications in the field of process control







competition

conditions

Both, individuals and teams can take part, provided that the participants have not yet exceeded the age of 30. All projects, realized during a vocational training, as part of a further education or a bachelor's degree in the period from January 1st, 2021 to June 30th, 2022 can be submitted.

Each project can only be submitted in one of the two categories, smart cities or extended reality, and must deal with digitization in work or learning processes. Support from trainers and teachers is expressly desired.



Exchange is important to think outside the box. The competition is taking place as part of the international city twinning, initalized between Berlin, Beijing and Moscow by the Senate Department for Integration,

Labor and Social Affairs.

award

An international jury, made up of representatives from companies, universities and vocational training, evaluate the works and award the prizes. Particular value is placed on the professional reference, the innovation and the sustainability of the projects. Prize money of €10,000 awaits.

Digitization also means thinking globally about work processes and employee qualification. With the competition, we want to promote cross-border exchange in particular to give young people, but also companies, an impression of training and

working methods in different countries and societies.



submission

- » Project description to explain the approach of the project
- » Presentation with a maximum of 20 pages presenting the idea, the approach, the development and the result of the project
- » short video for project presentation





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