Civil Protection

PLANNING THE SECURITY OF PUBLIC EVENTS
Fair Square, Trento (IT)

NEEDS AND GOALS

• Check for any differences between the existing cadastral maps and the current state of the square, in order to detect the presence of new elements potentially obstructing the public security plans.

• Provide easy and effective analysis of places dedicated to events/fairs, starting from real and updated data.

RESULTS

• Blueprint map of the square
• CAD map with safety path scheme
• 3D point cloud model of the square

HERON TECHNOLOGY BENEFITS

• Rapid survey and analysis of (large) environments both external and internal.
• Real-time generation of 3D and 2D maps with 2-3 cm accuracy.
• Quick and frequent update of 2D and 3D maps thanks to the automatic localization of the instrument. Survey easily managed by operators with minimal knowledge of surveying.
One of the main problems in planning a public event is the lack of updated data. Over time, a site is subject to multiple changes (sidewalks, green areas, maintenance or remediation, etc.) and not always the maps, available for civil protection, represent real metric data.

All these issues were met in the present use case, where a tensile structure was planned in the main square of Trento.

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I’ve been amazed of the speediness of HERON in providing us with real data of the location we chose for the event! Without the HERON real data we would not have seen that this space was not suitable for the structures and the pool of people we had in mind.

Stefano Farina
Safety | Consultant and trainer

Thanks to a quick walk with HERON it was possible to generate an updated map of the square and proceed with the planning of the safety routes. It was possible to discover that the large trees (not marked in the old maps) were a serious obstacle to the management of the event. It was therefore decided to change locations, preventing a huge waste of money and work.