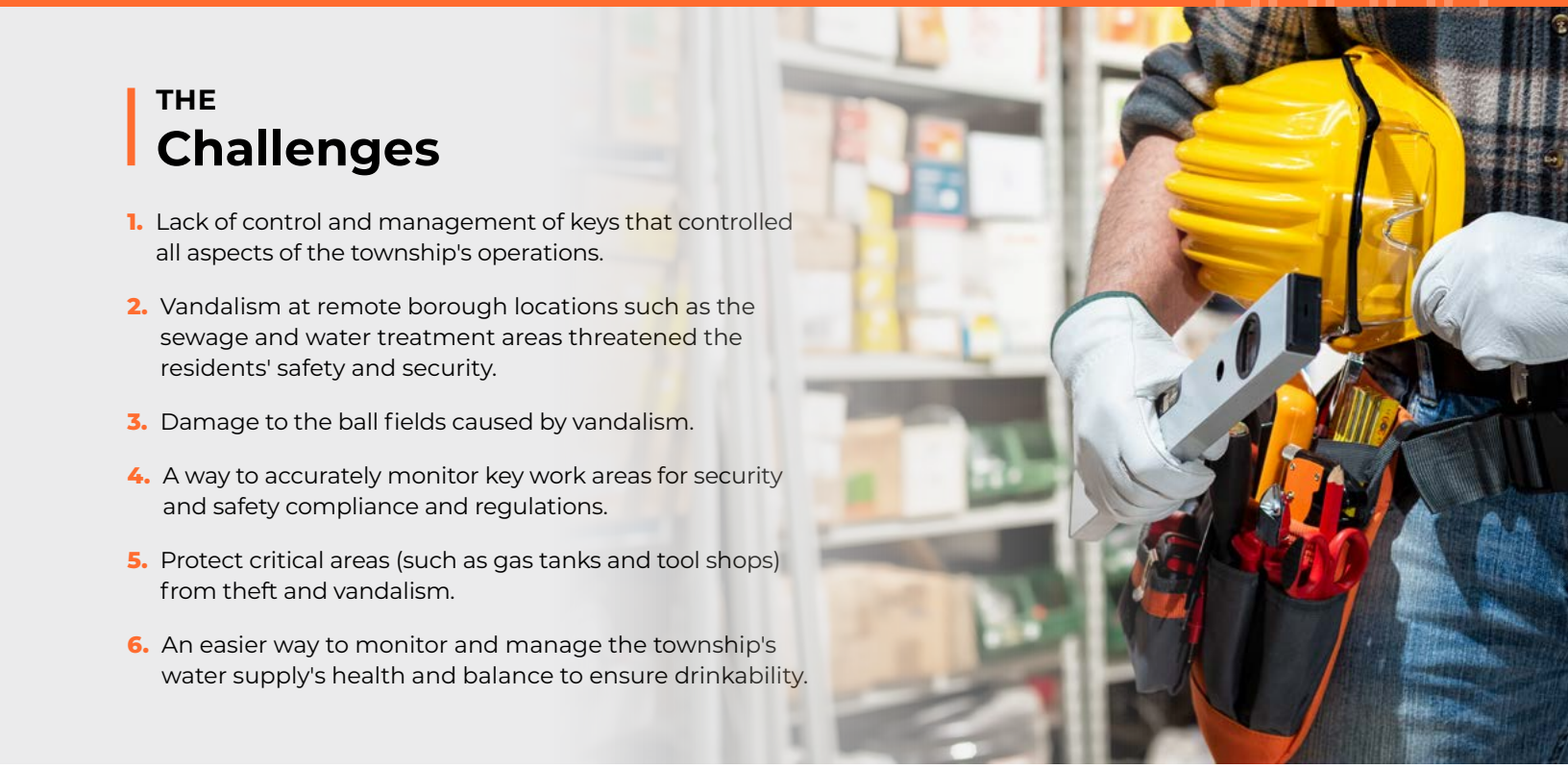
THE SECURITY PROFESSIONALS' CASE STUDY #2:

MUNICIPALITY/FACILITIES



THE Challenges

1. Lack of control and management of keys that controlled all aspects of the township's operations.
2. Vandalism at remote borough locations such as the sewage and water treatment areas threatened the residents' safety and security.
3. Damage to the ball fields caused by vandalism.
4. A way to accurately monitor key work areas for security and safety compliance and regulations.
5. Protect critical areas (such as gas tanks and tool shops) from theft and vandalism.
6. An easier way to monitor and manage the township's water supply's health and balance to ensure drinkability.

THE Analysis

Vulnerabilities:

Too many people had *unknown* access to too many municipality areas, causing excessive theft, vandalism, and health/safety issues.

The water supply was not properly monitored and secured to ensure continuous balance and health of the water supply. Automating the reminders to combine additives into the water supply would reduce the issues of drinkability.

Theft and vandalism were high as a result of non-centrally controlled security and locksmithing solutions.

THE Approach

We approached the challenge from this perspective: *what is our client trying to protect, and which systems can be implemented to increase efficiency in their processes?*

We determined that they needed to achieve the following:

- Secure all town-managed buildings and facilities.
- Monitor employees for regulatory and safety compliance.
- Control physical facility access, so the right personnel were getting the correct level of access and control over the appropriate areas, based on their roles.
- An automated system to track the health of the water supply and monitor chemical levels.
- All alarms, communications, and surveillance can be communicated to one central location, the municipality.
- A customized solution to alarm the police department in the event of an immediate response.

THE Solution

Using a strategic combination of locksmithing and security solutions, TSP deployed the following elements in their installation:

- Outdoor motion-sensor controlled lights.
- Strategic installation of indoor and outdoor cameras, capturing every room and possible angle, allowing the security guard full visibility and the responsible party to monitor remotely via a mobile device.
- The implementation of a Master Key System for the entire borough: (including but not limited to) locksmithing and key fobs programmed for each employee with their appropriate level of access to various zones/rooms within each town-controlled location.
- Remote access control from the administration building to get a high-level view of all buildings, facilities, and operations.
- A custom digital receiver built to unite all communications in the central station and route notifications to the police department when appropriate.
- The installation of a sophisticated tracking and alarm system in the water treatment facility accurately measuring the precise chemical distribution and sends out an alarm to the central station when water quality is nearing harmful levels.

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