

SICIM SPA

(Tengiz, Kazakhstan)

- Sicim SPA is one of the largest infrastructure contractors in Kazakhstan
- Since 2020 it has become a Top-10 oilfield industry taxpayer in the country
- It invests heavily in local workforce, operated 3 industrial bases in Aksai, Tengiz and Karabatan
- 100+ entry points
- 8'000 daily users
- Access control solution: Credoid with Time and Attendance module, custom features for canteen billing and HID iClass compatible mobile reader-controller solution from Copernic



The Challenge

Italian company Sicim SPA is a global infrastructure contractor, specializing in construction services for heavy industries, including chemicals, water supply, oil and gas, marine and others. In Kazakhstan, the company provides oil field and pipeline construction, which requires special attention to safety and security of all personnel involved.

In huge projects, time is of crucial importance. A delay of a few days or hours can mean millions of dollars in lost revenue. Furthermore, Sicim SPA arranges accommodation and meals for all the specialist teams near job locations,

as well as transportation and other services. However, they faced quite a few unresolved challenges in living quarters:

- **high flow** of 2000+ employees per site daily
- getting **accurate work time data** into ERP system
- correctly **accounting meals** 3 times a day
- ensuring **safety in vast work zones** with access right verification and ability to report incidents
- **ensure HID iClass** card compatibility for a large number of existing credentials

The Solution

Credoid was chosen as the core of the system. The following means were chosen for the project:

- **high-speed turnstiles** installed at dormitories in combination with highly reliable **Mercury LP1502 controllers** and HID R10SE readers;
- **anti-passback** measures employed to eliminate incorrect double-entries and distorted work time reporting;
- a **custom action script to display multiple enlarged photos** of persons entering all monitored turnstiles;
- another **custom script to temporarily prohibit repeat entries** into the cafeteria;
- **HID iClass-compatible mobile readers with Credoid Mobile app** distributed to each location security personnel for ID checks on arrival and random verification / incident reporting throughout the day.

The Result

- 30 to 60 entry points in 3 locations covered;
- Each location used by over 2000 people daily, operating smoothly with over 99,5% reliability statistics;
- 90% accounting operation reduction with automated and accurate Time and attendance reports based on 3+ million events monthly;
- 100% error-reduction in meal accounting. The solution resulted in reduced queues at meal times and prevented multi-meal system abuse;
- safety and security incident count reduced by 60% by preventing credential-swapping, regulation breaches and other incidents, thanks to mobile verification posts.