



The IoT Visionary for Next-Generation Transformation in the Industrial Market

IoT Platform – Software & Reporting

CM2W Controllers – Specifications & Application

Multilevel Competitive Advantages

Distributed Interactive System (DIS)



PRODUCT CATALOG



CM2W Connect Machines to Web

The Internet of things is greatly accelerating the world of the hygiene industrial market and enables businesses the power to offer services that have previously been too difficult to operate.

Now IoT allows organisations to implement higher-level tasks, get data-driven insights, and control the production environment. The growing trend of IoT-enabled devices continues to provide significant advantages to businesses by bringing innovative approaches in business operations aiming productivity improvements, cost savings, detailed monitoring, human error reduction, and data-based analysis.

Given the potential and influence that IoT has on the world, we at CM2W managed to integrate its extensive functionalities into the industrial IoT for better control and monitoring of tasks and processes. CM2W is a pioneer in the hygiene industrial market developing an end-to-end IoT solution with patented technology using an innovative

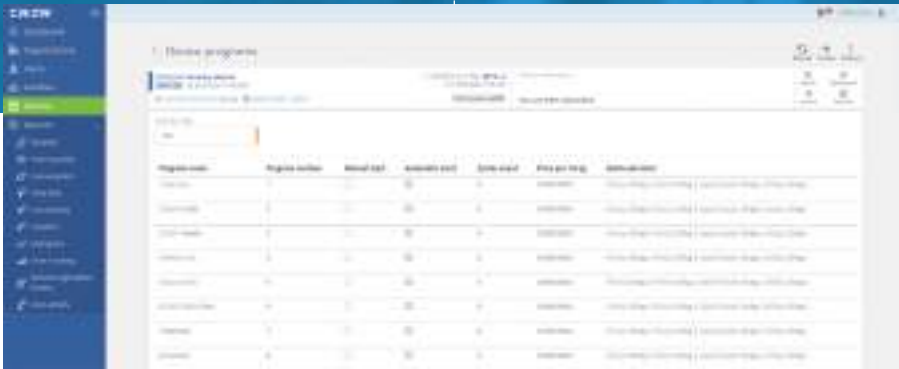
approach following the most advanced trends in the software development industry.

We focus on developing scalable solutions that allow companies to easily extend the facility infrastructure according to their business needs and increase their productivity. Using a web-based user-friendly

platform with various features depending on the organisational demands, we present real-time data gathered by IoT devices. Relying on accurate data storage we provide companies with the possibility for detailed data analysis which is the key for increased level of effectiveness.



SOFTWARE

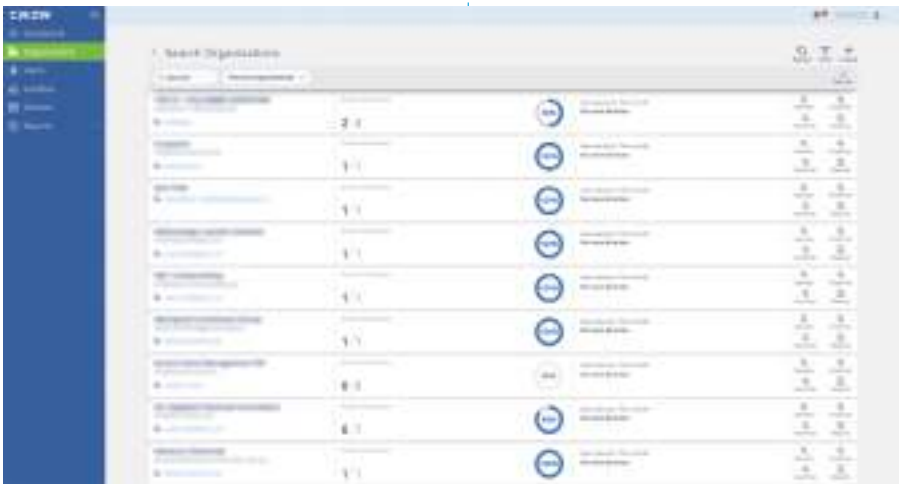
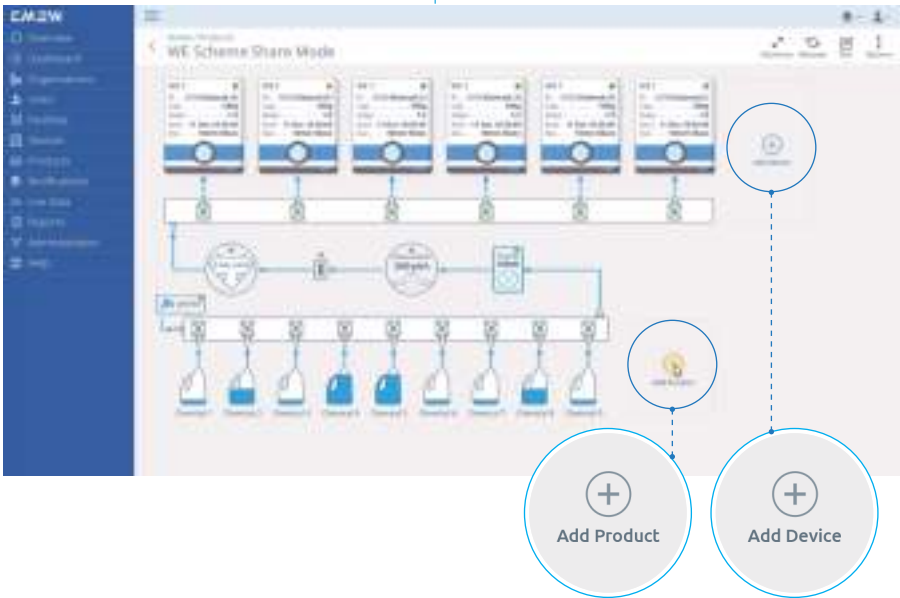


Remote Configuration

The intuitive interface allows fully remote program configuration which **lowers the configuring time spent by 50%**, so employees could move their focus from day-to-day basic operations to adding value activities.

Schematic Settings

Each user has the ability to **visually configure programming settings** and **modify programs**. All system components are displayed for easier perception and use of information, so individual programming options could be laid out more quickly and accurately.



24/7 Connectivity

All changes initiated by users using schematic programming settings apply **immediately** thanks to the wireless communication with the back-end servers.

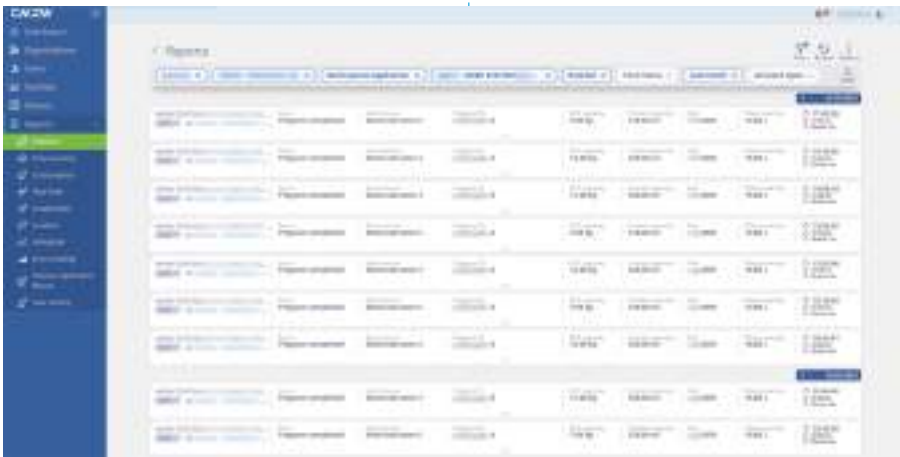
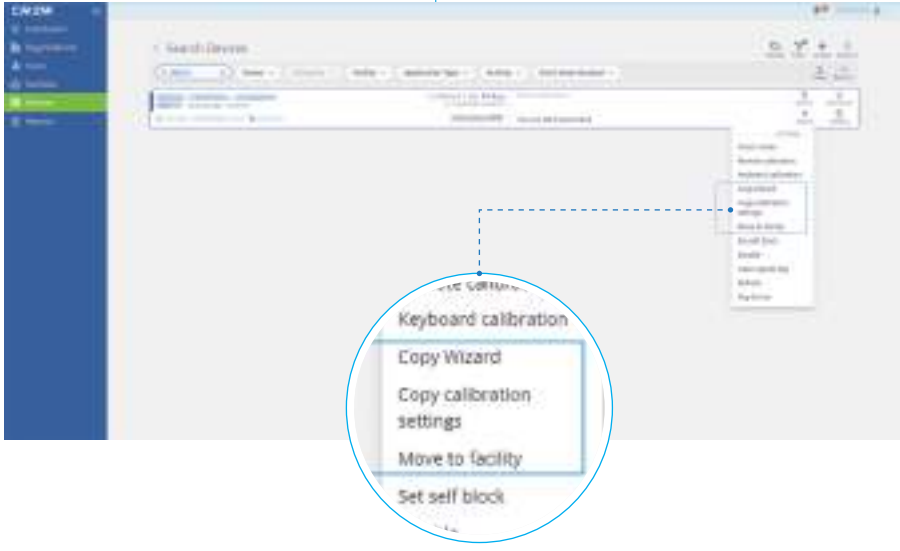


Program Setup

Every washing process allows **individual program setup** that is quick and intuitive to create. All washing programs could be duplicated from a system library or another device in the organization.

Template Based Setup

The reusable self-designed application settings allow the user to **customize the platform interface** and improve time management efficiency. All operational and calibration settings could be duplicated from a system library or another device in the organization.



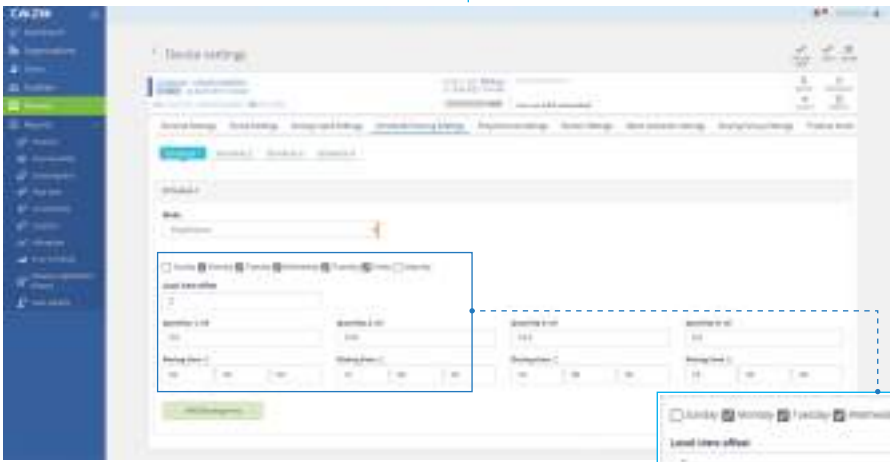
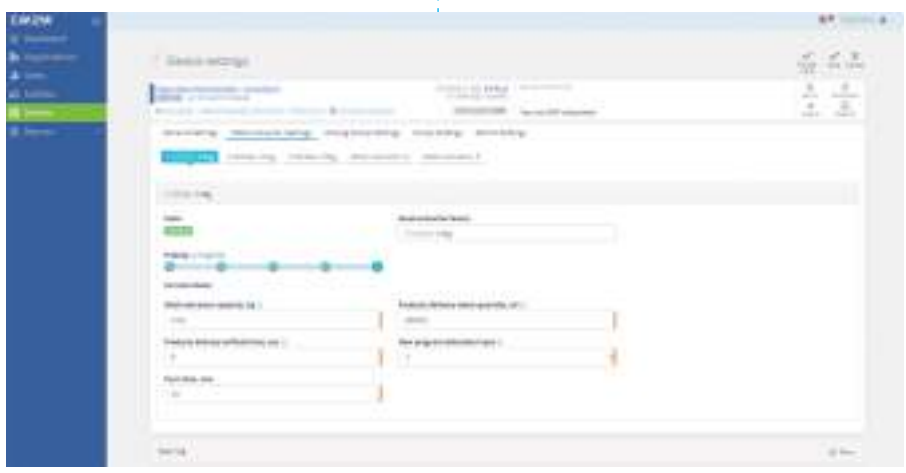
Real-Time Tech Support

Live support is **available 24/7** to ensure everything goes smoothly and no delays or interruptions regarding productivity are observed.



Easy-to-Use Application Interface

Using the **intuitive application program** even very complex programming settings could be easily configured without any specific technical qualifications.



Scheduled Dosing

The scheduled dosing mode enables the opportunity to configure two different operating modes to a single system. The **fixed-interval dosing mode** doses chemicals at regular time intervals and the **fixed-time dosing mode** – at predefined date and time.

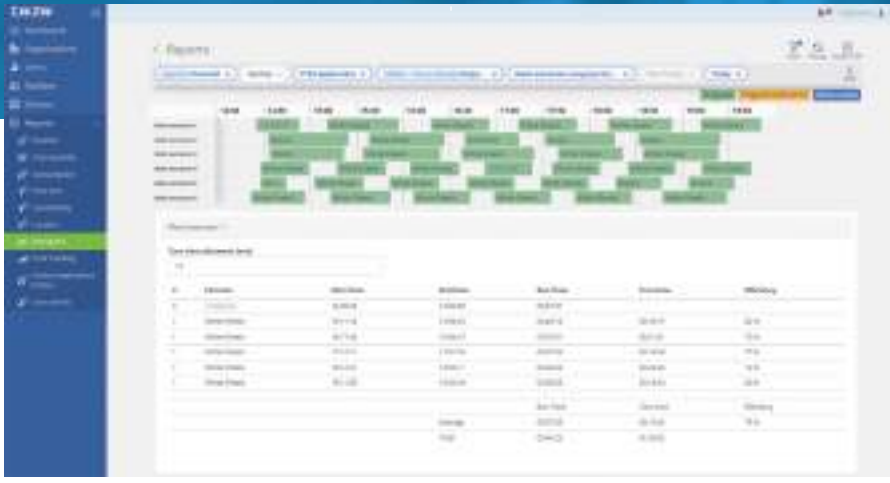


Error Tracking

Error tracking provides an **overview of the actual errors** over the dosing systems on different locations. All system errors are listed hierarchically starting with the most critical ones, so technicians can easily prioritize them and schedule the maintenance effectively according to the error importance.



REPORTING

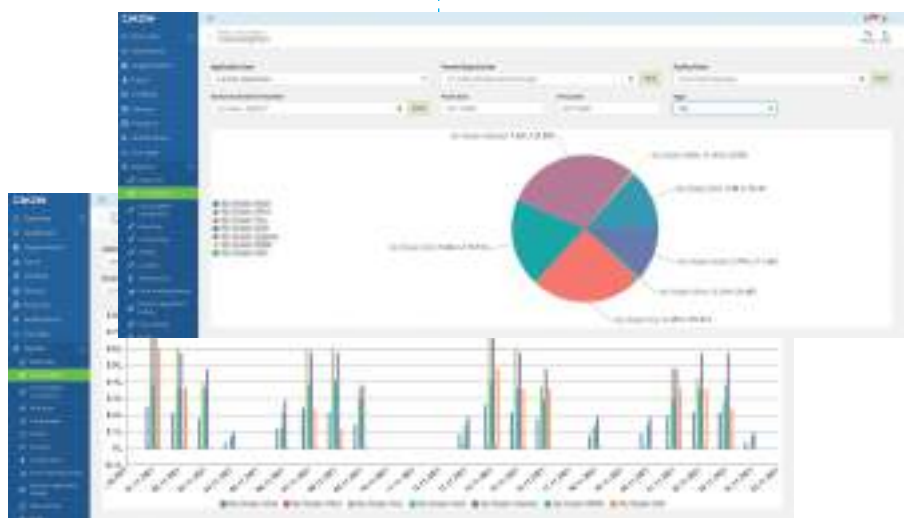


Histograms

The operationally focused facility histograms keep the dosing process running properly. They deliver **real-time dynamic data** that is used to guide facility operations and avoid process failure.

Consumption Monitoring

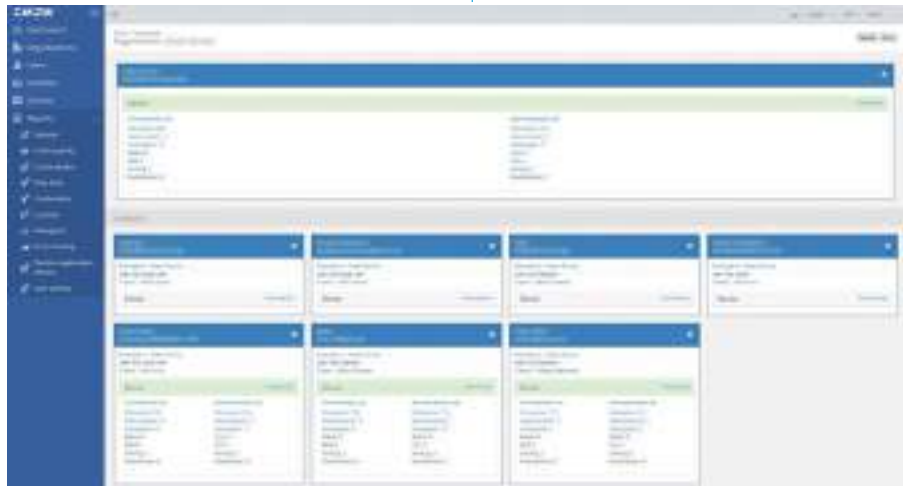
Based on all consumption data generated on chemical, system and facility level you can benefit from a **multi-level consumption monitoring** to improve consumption estimation and facility effectiveness.



Flow Rate Monitoring

Thanks to the flow rate monitoring you can keep an eye on the **performance of all systems** to increase customer satisfaction and avoid disruption of the washing process.



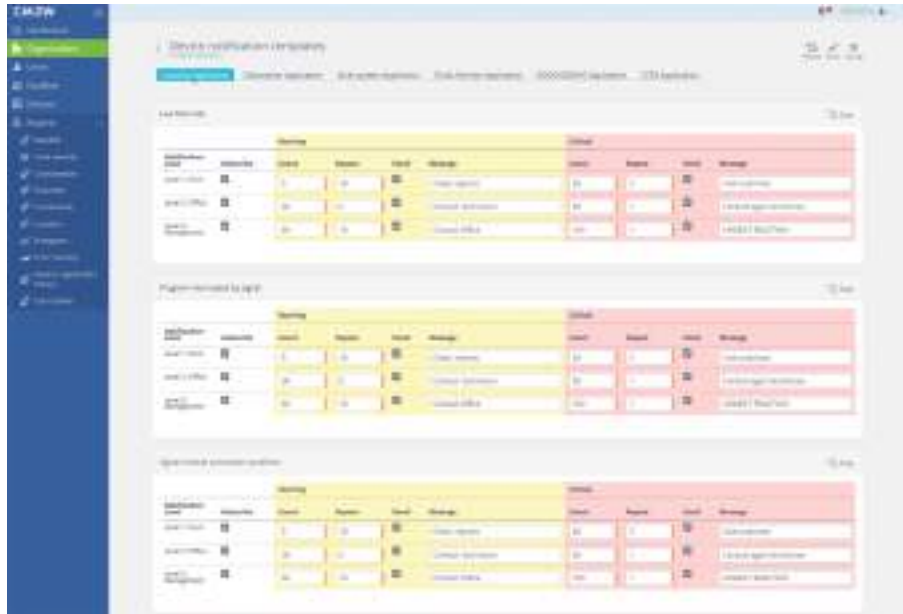


Detailed Reporting

The detailed reporting feature provides **full performance visibility** filtered by organizational structure and enables total revenue estimation by facility, program, etc. and projected to actual revenue assessment.

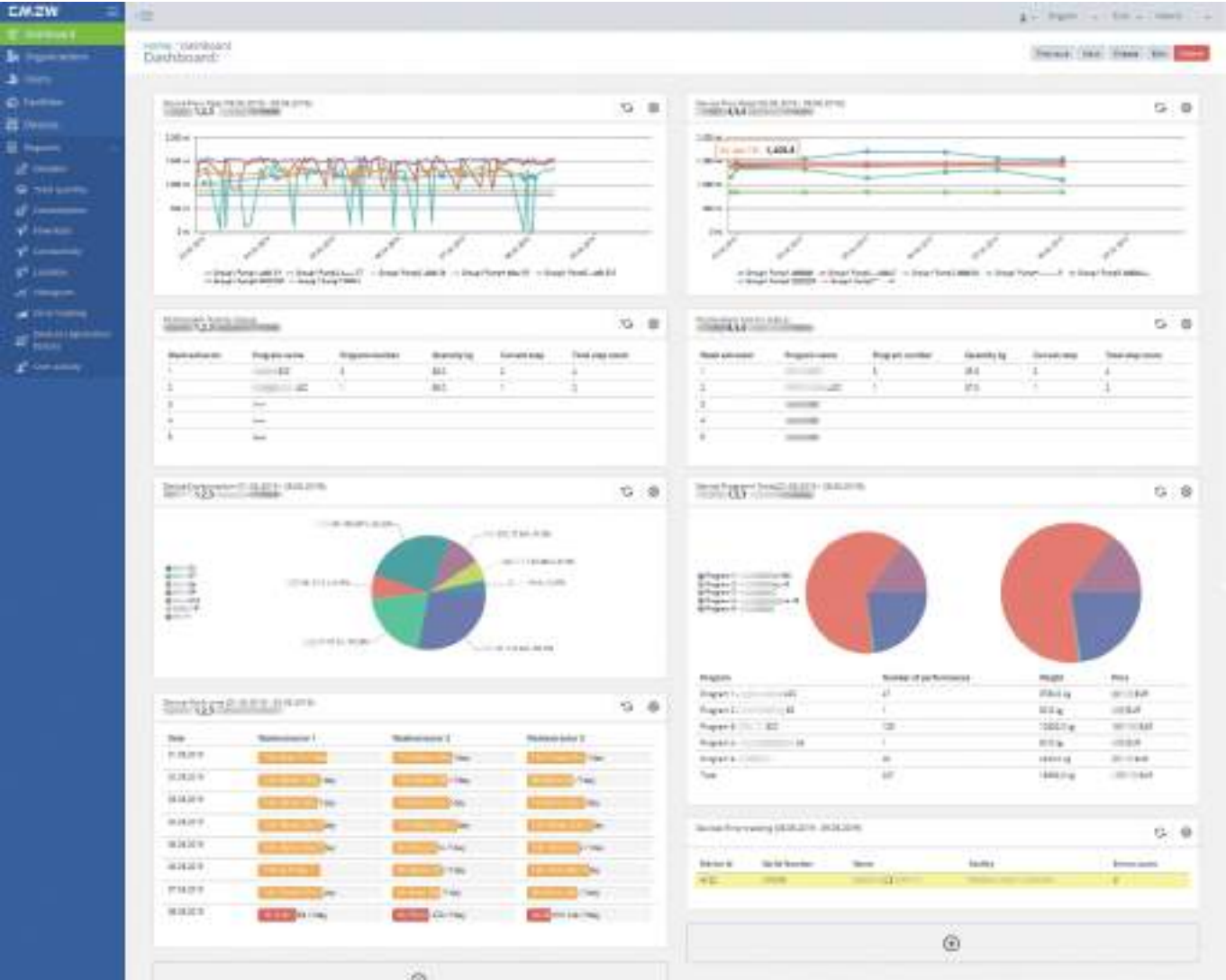
Scheduled Reporting

Using scheduled reporting you benefit from **up-to-date information** on device, facility and organizational level and receive the latest reports about chemical consumption, device error history, stock inventory etc. and make data-driven decisions.



Progressive Notification Filter (PNF)

PNF is a unique system for **filtering and addressing important notifications** like warning alerts to the assigned organizational level ensuring faster reaction time and process optimization. Supported with the right software tools it predicts potential failures and focuses on their prevention.

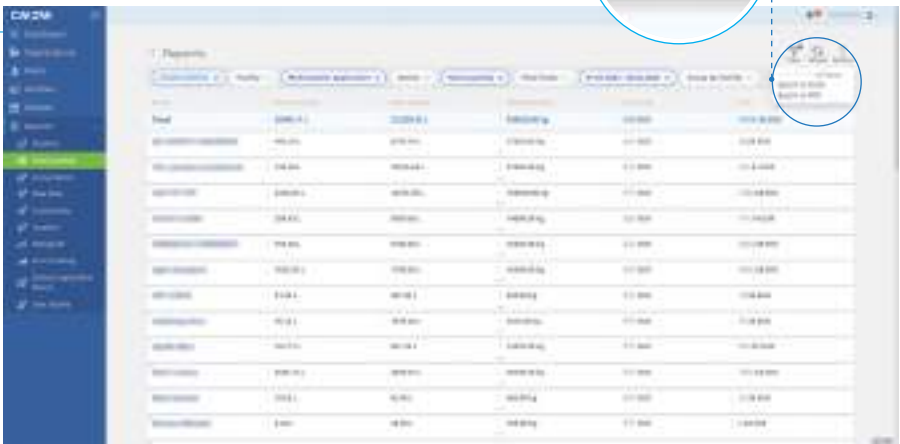


Customized Dashboards

All dashboards are **easily configurable** and display information from different platform reports like activity status, device flow rate, device consumption, device error tracking, device programs total and device work time widget of all dosing systems.

Data Transfer

All reports and data storage generated during the washing process could be transmitted to **external front-end applications** on request.





CTDS – Centralized Tunnel Dosing System

- ✓ The ultimate IoT controller for centralized scalable tunnel dosing
- ✓ Applicable in industrial washing, agriculture & farming, swimming pool systems
- ✓ The application fields are exemplary and the system could be adapted for serving various industrial needs



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CTDS Controller	FEATURES	VALUE / Additional Information
LAUNDRY MODE (OPL)	Maximum Capacity	up to 15 wash extractors and 1 tunnel
BASIC TECHNICAL INFORMATION	Dimensions	320 mm (L) 140 mm (W) 170 50 (H) (only the contrler)
	Weight	0.5 kg (only the contrler)
	Power supply	60W; Voltage 230VAC 50/60 Hz (external/costomisable)
	Wash extractor inputs	10 per singal module and up to 15 signal modules (total of 150 inputs)
	Inputs (galvanically isolated inputs)	36 per inputs board and up to 5 boards (different ranges – [12 – 48] V, [48-230]V) (total of 180 inputs)
	Dry contact inputs (low level alarm)	15 per extension board and up to 5 boards (total of 75 inputs)
	Flow sensor inputs	15 per extension board and up to 5 boards (total of 75 inputs)
	Outputs	20 per extension board and up to 5 boards (total of 100 outputs)
	Connectivity with CM2W platform (24/7)	GPRS (2G,3G,4G) or Wifi (GPRS is recommendable)
	Parallel Dosing groups	Up to 10
	External control	Keyboard (OLED, 2 x 16)
	Integrated buzzer	Yes
	External buzzer (alarm with singal lamp)	Unlimited
	Measurement systems	Metric, Imperial or Imperial US
PUMPS INFORMATION	Pump operating modes	Sequantial (pump per chemical), Parallel, Shared and simultaneously both modes
	Pump type	Any type (Electric or pneumatic)
	Flow rate	Depends on the pump
CALIBRATION AND PRIMING	Keyboard calibration	Conducted throught the external keyboard, values will be reported to CM2W servers instantly.
	Remote calibration	Conducted throught CM2W platform, values will be reported to CM2W server instantly. Can be done from a distance
DOSING METHODS	Fixed	Dosage conducted by specific time period
	Flow sensor	Dosage is conducted through a flow meeter (adaptive through time)
OPERATION/Working Mode & PROGRAMMING	Valve Check	Automatic valve self/check can be set
	Emergency stop inputs	Can stop tunnel dosing process if air pressure or water is not OK
	Single flowmeter mode	Dosage is conducted through a flow meeter (adaptive through time)
	Dual flowmeter mode	One flow meter measure water and the other water + chemical
	Air Flush	Can be set by duration (in seconds)
	Tunnel Connection	Binary signals or protocol 31, transfer and drop (optional) signals
	Autoformula select mode	Supports combination of four signals or different time durations and both
	On hold Mode	Can pause wash extractor program while waiting for chemicals
	Ozone integration	Optional (external, comes in a specail metal box with ozone genarator) or Corona Discharge Ozone Generator
	Inputs signal logs	Can monitor inputs and errors remotely
	Copy Wizards	Can copy all settings and calinration settings between devices
	Wireless Infrastructure	Possibility to use wireless singal modules and sensors
	Device setup and programming	Remote and real time programming via the air
	PNF (progressing notification filter)	Notifications are filtered and addressed to specific people to ensure faster reaction time. Levels can be created as well.



Industrial washing

Especially configured for reliable and precision chemical dosing in commercial laundries for achieving highest efficiency in the washing process.



Ozone laundry systems

Ozone generator integration to the dosing system for environmentally friendly cost-effective ozone washes that reduce hot water consumption.



Industrial agriculture & farming

Dosing and irrigation systems to control the water flow in pipes and periods of irrigation for lower production costs and greater environmental sustainability.



Swimming pool systems

Chemical treatment systems and plumbing systems for pool maintenance to keep the water clean and chemically balanced.





CMWDS – Centralized Multi-Washing Dosing System

- ✓ The multi-system for precision dosing and maximum efficiency
- ✓ Applicable in industrial washing, agriculture & farming, ozone laundry systems
- ✓ The application fields are exemplary and the system could be adapted for serving various industrial needs



CMWDS Controller	FEATURES	VALUE / Additional Information
LAUNDRY MODE (OPL)	Maximum Capacity	up to 5 wash extractor (capacity of the wash extractor depends on the pumps)
BASIC TECHNICAL INFORMATION	Dimensions	210 mm (L) 210 mm (W) 33 mm (H) (only the controller)
	Weight	0.5 kg (only the controller)
	Power supply	150W; Voltage 100-240VAC 50/60 Hz (external/costomisable)
	Inputs (galvanically isolated inputs)	10 per singal module and up to 5 signal modules (total of 50 inputs)
	Connectivity with CM2W platform (24/7)	GPRS (2G,3G,4G) or Wifi (GPRS is recommendable)
	Maximum number of products	Up to 10
	Maximum number of flow meeters	Up to 2 or up to 11 flowmeters with extender boards
	Water valve	Up to 2 (Rinse and Flush)
	Air valve	Yes
	External control	Keyboard (OLED, 2 x 16)
	Integrated buzzer	Yes
	External buzzer (alarm with singal lamp)	up to 1 output
	Low level alarm	External (optional) up to 10
	Measurement systems	Metric, Imperial or Imperial US
PUMPS INFORMATION	Pump operationg modes	Sequantial (pump per chemical), Parallel and Shared
	Pump type	Any type including venturi injector
	Flow rate	Depends on the pump
CALIBRATION AND PRIMING	Keyboard calibration	Conducted throught the external keyboard, values will be reported to CM2W servers instantly.
	Remote calibration	Conducted throught CM2W platform, values will be reported to CM2W server instantly. Can be done from a distance
DOSING METHODS	Fixed	Dosage conducted by specific time period
	Single Flow sensor	Dosage is conducted through a flow meeter (adaptive through time)
	Dual Flow sensor	One flow meter measure water and the other water + chemical
OPERATION/Working Mode & PROGRAMMING	Valve Check	Automatic valve self test can be set every hour or by user request at any time
	Autoformula select mode	Supports combination of four signals or different time durations and both
	Ozone integration	Optional (external, comes in a specail metal box with ozone genarator)
	Inputs signal logs	Can monitor inputs and errors remotely
	On hold Mode	Can pause wash extractor program while waiting for chemicals
	Copy Wizards	Can copy all settings and calibration settings between devices
	Wireless Infrastructure	Possibility to use wireless singal modules and sensors
	Device setup and programming	Remote and real time programming via the air
	PNF (progressing notification filter)	Notifications are filtered and addressed to specific people to ensure faster reaction time. Levels can be created as well.



Industrial washing
Especially configured for reliable and precision chemical dosing in commercial laundries for achieving highest efficiency in the washing process.



Ozone laundry systems
Ozone generator integration to the dosing system for environmentally friendly cost-effective ozone washes that reduce hot water consumption.



Industrial agriculture & farming
CMWDS is used in dosing and irrigation systems to control the water flow in pipes and periods of irrigation for lower production costs and greater environmental sustainability.



MOCO – Single Laundry System

- ✓ The laundry controller for precision dosing and maximum efficiency of a single machine
 - ✓ Applicable in industrial washing
 - ✓ The application fields are exemplary and the system could be adapted for serving various industrial needs
- Scan to Play Video

MOCO Controller	FEATURES	VALUE / Additional Information
LAUNDRY MODE (OPL)	Maximum Capacity	up to 1 wash extractor (unlimited capacity/depends on the pumps)
BASIC TECHNICAL INFORMATION	Dimensions	170 mm (L) 175 mm (W) 35 mm (H) (only the controler)
	Weight	0.3 kg (only the controler)
	Power supply	10 W integrated + 150W External power supply for pumps; Voltage 100-240VAC 50/60 Hz (external/costomisable)
	Inputs (galvanically isolated inputs)	8 different ranges – [12 – 48] V, [48-230]V.
	Outputs	8 outputs
	Connectivity with CM2W platform (24/7)	GPRS (2G,3G,4G) or Wifi (GPRS is recommendable)
	Maximum number of products	Up to 8
	Maximum number of flow meeters	Up to 1
	Water valve	Yes
	External control	Keyboard (OLED, 2 x 16)
	Integrated buzzer	Yes
	External buzzer (alarm with singal lamp)	Yes
	Measurement systems	Metric, Imperial or Imperial US
PUMPS INFORMATION	Pump operating modes	Sequantial
	Pump type	Any type
	Flow rate	Depends on the pump
CALIBRATION AND PRIMING	Keyboard calibration	Conducted throught the external keyboard, values will be reported to CM2W servers instantly.
	Remote calibration	Conducted throught CM2W platform, values will be reported to CM2W server instantly. Can be done from a distance
DOSING METHODS	Fixed	Dosage conducted by specific time period
	Flow sensor	Dosage is conducted through a flow meeter (adaptive through time)
OPERATION/Working Mode & PROGRAMMING	Autoformula select mode	Supports combination of four signals or different time durations and both
	Inputs signal logs	Can monitor inputs and errors remotely
	Copy Wizards	Can copy all settings and calibration settings between devices
	Device setup and programming	Remote and real time programming via the air
	PNF (progressing notification filter)	Notifications are filtered and addressed to specific people to ensure faster reaction time. Levels can be created as well.



Industrial washing

Especially configured for reliable and precision chemical dosing in commercial laundries for achieving highest efficiency in the washing process.





GOSHO – Intelligent Sensors Dosing System

- ✓ The multi-purpose controller especially designed for serving the hygiene industrial market
- ✓ Applicable in industrial washing & dishwashing, dairy industry, sanitation, ozone & kitchen drain systems
- ✓ The application fields are exemplary and the system could be adapted for serving various industrial needs



GOSHO Controller	FEATURES	VALUE / Additional Information
DISHWASHER MODE	Console dishwasher	Up to 2 dishwashers
	Tunnel dishwasher	Up to 2 tunnel dishwasher machines
	Combination	1 dishwasher and 1 tunnel machine
LAUNDRY MODE (OPL)	Maximum Capacity	Up to 20 kg (up to 1 wash extractor)
BASIC TECHNICAL INFORMATION	Dimensions	170 mm (L) 155 mm (W) 40 mm (H) (only the controller)
	Weight	0.25 kg (only the controller)
	Power supply	150W; Voltage 230VAC 50/60 Hz (external/customisable)
	Inputs (galvanically isolated inputs)	4 different ranges – [12 – 48] V, [48-230]V.
	Outputs	Up to 4
	Dry Contact input (can be used for low level or dosing as well)	Optional (up to 2 chemicals)
	Connectivity with CM2W platform (24/7)	GPRS (2G,3G,4G) or Wifi (GPRS is recommendable)
	Maximum number of products	Up to 4
	Maximum number of flow meeters	Up to 4
	External control	Keyboard (OLED, 2 x 16)
	Integrated buzzer	Yes
	External buzzer (alarm with singal lamp)	Yes
	Measurement systems	Metric, Imperial or Imperial US
	Inputs for conductive Probe	up to 2
	Inputs for inductive Probe	up to 2
	Inputs for temeprature sensors (PT100)	up to 2
PUMPS INFORMATION	Pump operationg modes	Sequantial and paralel mode (pump per chemical), Flash Manifold (optional instead of one pump)
	Pump type	Up to 4 pumps (any type)
	Flow rate	Depends on the pump
CALIBRATION AND PRIMING	Keyboard calibration	Conducted through the external keyboard, values will be reported to CM2W servers instantly.
	Remote calibration	Conducted through CM2W platform, values will be reported to CM2W server instantly. Can be done from a distance
DOSING METHODS	Fixed	Dosage conducted by specific time period
	Flow sensor	Dosage is conducted through a flow meeter (adaptive through time)
	Solid Detergent Dosing	Based on solid detegent spent rate
	Conductive probe mode	Based on measured conductivity
	Inductive probe mode with intergrated temperature sensor	Based on measured conductivity
OPERATION/Working Mode & PROGRAMMING	Dual flowmeter mode	Optional, with up to 3 chemicals only
	Drain system mode	Drain mode can be used in the same time with the other operating modes
	Autoformula or Manual select mode	Supports combination of four signals or different time durations and both
	Proportional dosing	The required amount of chemical is dosed in proportion to the measured amount of water
	Ozone integration	Optional (instead of one pump, comes in a specail metal box with ozone genarator)
	Inputs signal logs	Can monitor inputs and errors remotely
	Copy Wizards	Can copy all settings and calinbration settings between devices
	Device setup and programming	Remote and real time programming via the air
	PNF (progressing notification filter)	Notifications are filtered and addressed to specific people to ensure faster reaction time. Levels can be created as well.



Dishwashing industry

Reliable and accurate dishwashing dosing in commercial dishwashers for efficient, environmentally friendly and clean dishwashing results.



Dairy industry

Maintaining an excellent hygiene and sanitation of milk products and areas in dairy farms.



Industrial washing

Especially configured for reliable and precision chemical dosing in commercial laundries for achieving highest efficiency in the washing process.



Kitchen dilution & drain system

Dosing systems for dilution of chemicals & preventing from blocking and overflowing of drains and sewers for better protection from the build-up of the fats, oils and grease.



Integrated ozone system

Ozone generator integration to the dosing system for environmentally friendly cost-effective ozone washes that reduce hot water consumption.



Clean-in-place solution

Cost-efficient sanitation and disinfection of equipment and production area, while reducing the use of chemicals and water consumption.



GOGO – Intelligent Sensors
Dosing System

- ✓ The multi-purpose controller especially designed for serving the hygiene industrial market
- ✓ Applicable in industrial washing & dishwashing, dairy industry, sanitation, ozone & kitchen drain systems
- ✓ The application fields are exemplary and the system could be adapted for serving various industrial needs



GOGO Controller	FEATURES	VALUE / Additional Information
DISHWASHER MODE	Console dishwasher	Up to 1 dishwasher machine
	Tunnel dishwasher	Up to 1 tunnel dishwasher machine
LAUNDRY MODE (OPL)	Maximum Capacity	Up to 20 kg (up to 1 wash extractor)
BASIC TECHNICAL INFORMATION	Dimensions	180 mm (L) 110 mm (W) 30 mm (H) (only the controller)
	Weight	200 grams (only the controller)
	Power supply	20W; Voltage 100- 240VAC 50/60 Hz (integrated)
	Inputs (galvanically isolated inputs)	3 different ranges – [12 – 48] V, [48-230]V.
	Outputs	3 up to 15W
	Connectivity with CM2W platform (24/7)	GPRS (2G,3G,4G) or Wifi (GPRS is recommendable)
	Maximum number of products	Up to 3
	Maximum number of flow meeters	Up to 3
	External control	Keyboard (OLED, 2 x 16)
	Integrated buzzer	Yes
	External buzzer (alarm with singal lamp)	Optional (Instead of one pump)
	Measurement systems	Metric, Imperial or Imperial US
	Inputs for conductive Probe	Up to 1
	Inputs for inductive Probe	Up to 1
PUMPS INFORMATION	Pump operating modes	Sequantial and paralel mode (pump per chemical)
	Pump type	Up to 3 pumps (24V, with speed control)
	Flow rate	Depends on the pump
CALIBRATION AND PRIMING	Keyboard calibration	Conducted throught the external keyboard, values will be reported to CM2W servers instantly.
	Remote calibration	Conducted throught CM2W platform, values will be reported to CM2W server instantly. Can be done from a distance
DOSING METHODS	Fixed	Dosage conducted by specific time period
	Flow sensor	Dosage is conducted through a flow meeter (adaptive through time)
	Solid Detergent Dosing	Based on solid detegent spent rate
	Conductive probe mode	Based on measured conductivity
	Inductive probe mode with intergrated temperature sensor	Based on measured conductivity
OPERATION/Working Mode & PROGRAMMING	Drain system mode (Dosing by signal)	Drain mode can be used in the same time with the other operating modes
	Autoformula select mode	Supports combination of four signals or different time durations and both
	Proportional dosing	The required amount of chemical is dosed in proportion to the measured amount of water
	Inputs signal logs	Can monitor inputs and errors remotely
	Copy Wizards	Can copy all settings and calibration settings between devices
	Device setup and programming	Remote and real time programming via the air
	PNF (progressing notification filter)	Notifications are filtered and addressed to specific people to ensure faster reaction time. Levels can be created as well.



Dishwashing industry

Reliable and accurate dishwashing dosing in commercial dishwashers for efficient, environmentally friendly and clean dishwashing results.



Dairy industry

Maintaining an excellent hygiene and sanitation of milk products and areas in dairy farms.



Integrated ozone system

Ozone generator integration to the dosing system for environmentally friendly cost-effective ozone washes that reduce hot water consumption.



Industrial washing

Especially configured for reliable and precision chemical dosing in commercial laundries for achieving highest efficiency in the washing process.



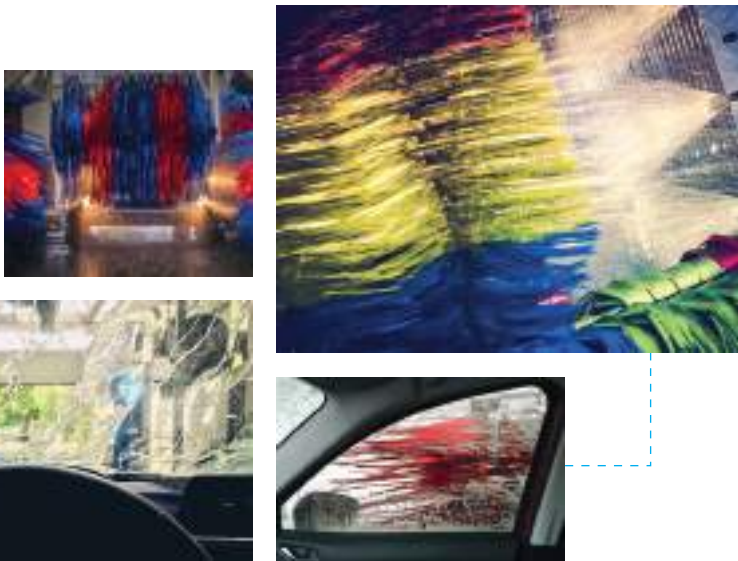
Clean-in-place solution

Cost-efficient sanitation and disinfection of equipment and production area, while reducing the use of chemicals and water consumption.



FLUIDS MONITORING – Remote Fluids Monitoring System

- ✓ The remote fluids monitoring system for effective management and full transparency
- ✓ Applicable in industrial washing & dishwashing, car wash industry
- ✓ The application fields are exemplary and the system could be adapted for serving various industrial needs



Fluid Monitoring	FEATURES	VALUE / Additional Information
BASIC TECHNICAL INFORMATION	Dimensions	160 mm (L) 50 mm (W) 160 mm (H) (only the controller)
	Weight	340 grams
	Power supply	10W; Voltage 100- 240VAC 50/60 Hz (integrated)
	Connectivity with CM2W platform (24/7)	GPRS (2G,3G,4G) or Wifi (GPRS is recommendable)
	Maximum number of flow meeters	Up to 7
	Integrated buzzer	Yes
	Measurement systems	Metric, Imperial or Imperial US
CALIBRATION AND PRIMING	Remote calibration	Conducted throught CM2W platform, values will be reported to CM2W server instantly. Can be done from a distance
OPERATION/Working Mode & PROGRAMMING	Indipendent mode	Allows monitoring of chemical consumption. Each chemical will be reported as a separate dosing event
	Combined mode	Allows monitoring of chemical consumption. Several chemicals can be reported in a single dosing event
	Dilution monitoring	Allows monitoring the chemical concentration of a chemial in a water solution. The system can check if the dose is in the correct volume and correct concentration.
	Device setup and programming	Remote and real time programming via the air
	PNF (progressing notification filter)	Notifications are filtered and addressed to specific people to ensure faster reaction time. Levels can be created as well.



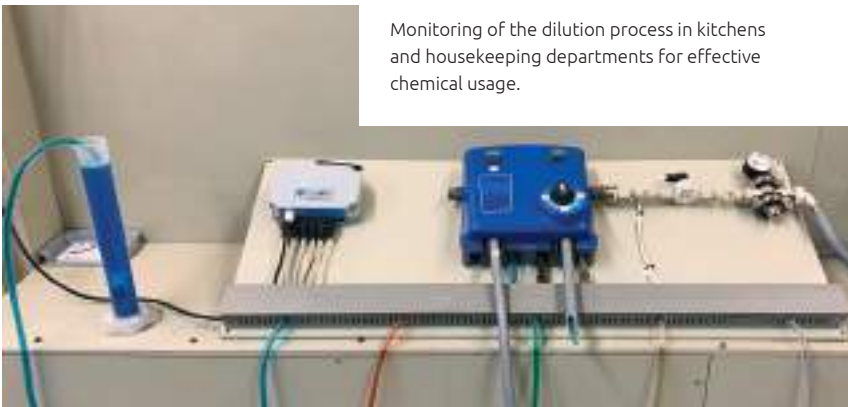
Industrial washing

Especially configured for monitoring of chemical dosing in commercial laundries for achieving highest efficiency in the washing process.



Dishwashing industry

Monitoring of dishwashing dosing in commercial dishwashers for efficient, environmentally friendly and clean dishwashing results.



Dilution solution

Monitoring of the dilution process in kitchens and housekeeping departments for effective chemical usage.



Car wash industry

Monitoring of the dosage performance in automatic and self-service car wash systems for proper additives dosing anytime.



Operational Level



Get prompt real-time tech support

As an end-to-end service provider CM2W offers in-house developed software, firmware and hardware equipment in order to provide a well-supervised quality control.

Using a live support communication channel CM2W ensures a reliable and immediate help when facing any kind of issues, from hardware setup to customizing user interface.

Ensure faster reaction time

Adding CM2W communication modules to your IoT devices ensures an optimal data transfer speed by choosing Wi-Fi or Cellular for your wireless technology. Although Wi-Fi usually performs better in terms of speed, we guarantee the same latency in both connectivity options.

Implement the CM2W out-of-the-box solution and avoid all kinds of connectivity difficulties like security encryption where the need of a third-party support could be crucial.

Choose from multiple types of wireless technology

CM2W IoT solution supports all types of wireless connectivity options including Wi-Fi, 2G, 3G, 4G, 5G and LTE.

Decide between different connectivity options and connect to them with CM2W communication modules requiring no external hardware equipment like router.

Benefit from template based setup

Create reusable self-designed programming settings and improve your time management efficiency. This allows the user a one-click way to customize the program interface.

Facilitate the installation of dosing systems

Connect all IoT machines in your facility using wireless connectivity and ensure wireless networking between the signal box and the main controllers for low-latency real-time control, monitoring and communication.

Removing any cable installation equipment reduces physical damages and avoids high-impact operational disruption.

Use an intuitive interface

The easy-to-use CM2W application program does not require any specific labor training and could be configured by any worker with general technical knowledge.

Transfer events via API

Use data generation and data transfer capabilities of CM2W solution on request. After successful integration and access approval we can transfer all data storage to an external front-end application.

Test the smart calibration mode

Benefit from a variety of calibration methods of the flow meter and find the most appropriate mode according to your facility organization. Track the performance of the flow meter using an AI algorithm and make data-based analysis.

Management Level

Reach highest security level

Relay on our cost-efficient security structure using dedicated server deployment where data, devices and users are physically isolated in order to build crucial security features. All computational resources, memory and disk storage are available only for the needs of your own organization, its devices and employees ensuring the same degree of data protection.

Maintain full consumption traceability

Get up-to-date information on device, facility and organizational level. Use scheduled reporting to receive the latest reports about chemical consumption, device error history, stock inventory etc. and make data-driven decisions.

Address warning alerts

CM2W unique PNF (Progressive Notification Filter) addresses all warning alerts to the assigned organizational level on time to ensure process optimization. Predict potential failures and focus on their prevention supported with the right software tools.



Why is wireless connectivity important?

Wireless connectivity is a powerful tool in the modern dynamic industrial market. Its most tangible benefit refers to **improved efficiency** in both communication and business processes. As some of the most experienced issues in the hygiene industrial market include insufficient control and time management and they could be easily solved implementing wireless networking, we would like to introduce the **CM2W Distributed Interactive System (DIS)** as a part of our **end-to-end IoT solution** that boosts productivity.



What is DIS?

DIS is a **Distributed Interactive System** that enables a flexible and optimized organization in the industrial facility, based on **wireless connectivity** between the **IoT connected devices**, such as washing and drying machines, signal modules, different sensors and measurement solutions. To specify the essence of DIS we can separate its application into two categories: **physical installation** and **program setup**.

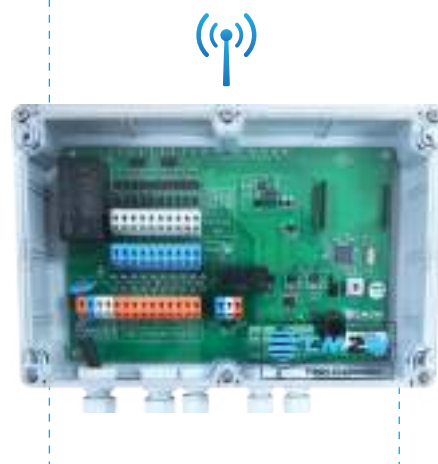
Physical installation

The DIS allows a **wireless hardware networking** of all hygiene appliances in the facility. The connectivity modules communicate with each other via a wireless connection, so **no cable installation** is required for successfully equipping the facility. To be more concrete, giving up cables **reduces the installation time by 30%**, on average. Furthermore, communication cables usually differ in type (shield protected, twisted paired, etc.) for ensuring sufficient noise isolation. In fact, cable failures due to wrong selection and application, mechanical failures or cable overheating could cause process disruptions affecting the washing time cycles and lead to loss of resources and decrease in productivity. Using wireless technology in the facility **eliminates the possibility of hardware setup failure**. Calculating the complete time optimization by implementing a wireless installation in a laundry facility we are able to **reduce the installation and maintenance time by up to 50%**.

click way to customize the platform interface and contribute for improvement of the time management efficiency. In addition, the **intuitive interface** of the application program does not require any specific labor training and even very complex programming settings could be easily configured by any employee with general technical knowledge. Thanks to the established wireless communication with the back-end servers, **changes apply immediately**. Live support is **available 24/7**, as well, to ensure everything goes smoothly and no delays or interruptions regarding productivity are observed. The easy-to-use program interface **lowers the configuring time spent by 50%**, so employees could move their focus from day-to-day basic operation activities to activities that produce extraordinary results.

Program setup

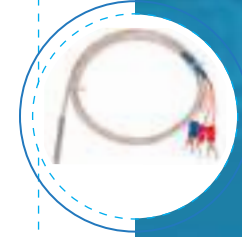
Moreover, DIS provides a unique advantage related to the programming settings called **schematic settings**. By configuring schematic settings individual programming options could be laid out **more quickly and accurately**. The **reusable self-designed application settings** allow the user a one-



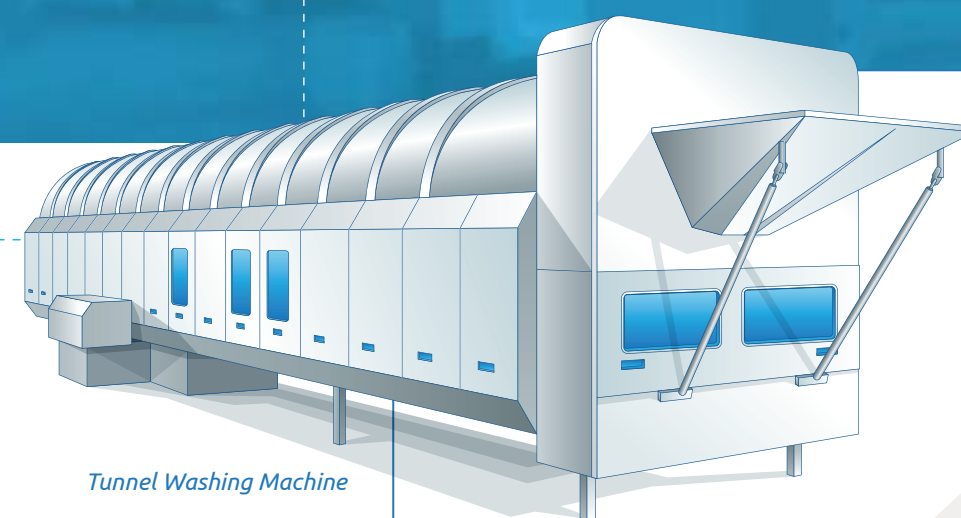
PH Sensor



Conductivity Sensor



Temperature Sensor



Tunnel Washing Machine



Water Sensor



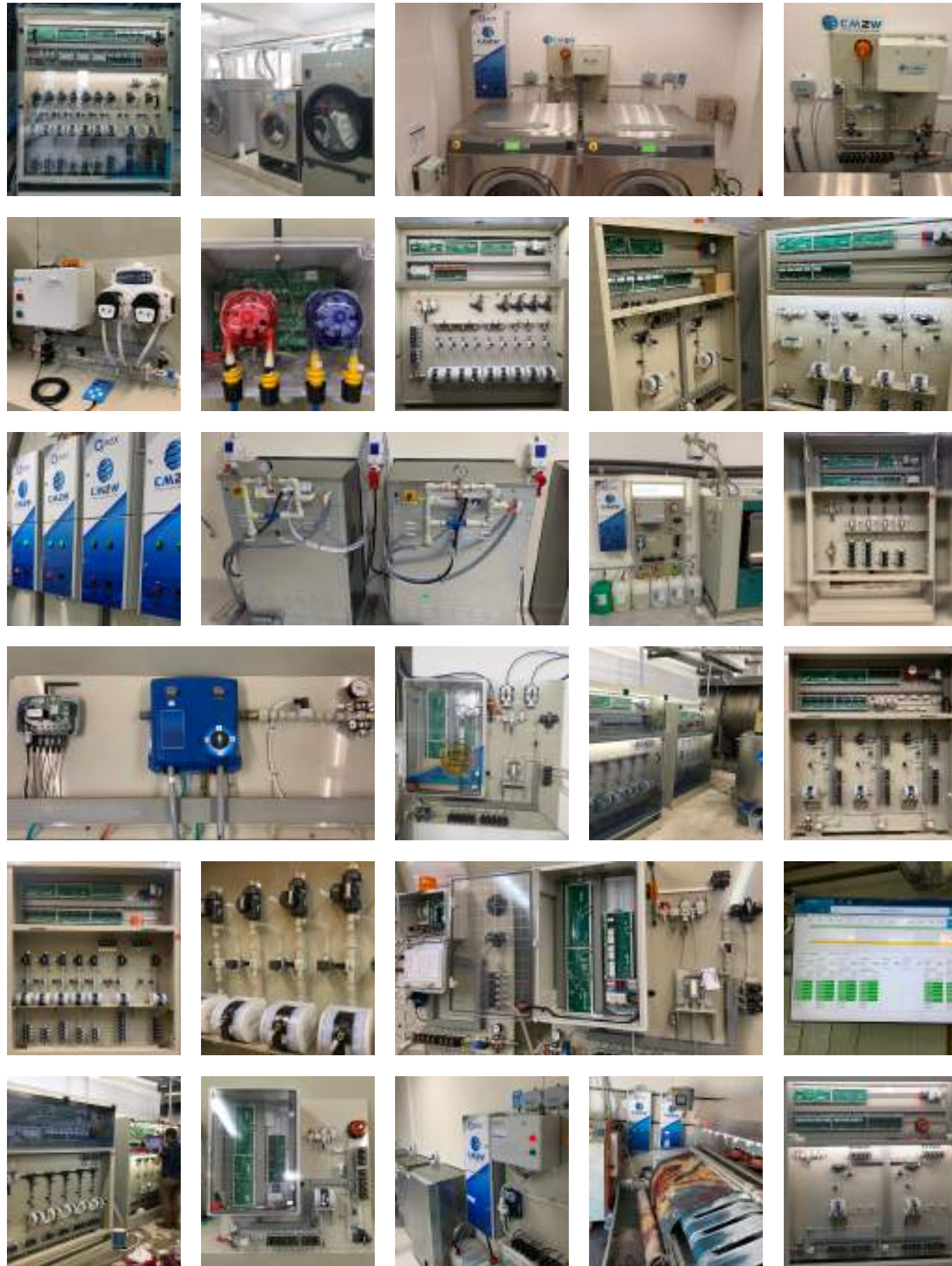
Energy Sensor

Up to 15 wash extractors



Radio Frequency Sensor







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