



Universal Automation Solution

GENERAL PRESENTATION

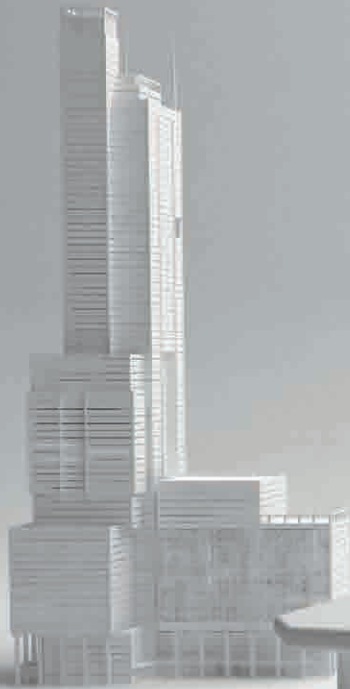
Revision 2023_02



UNIVERSAL AUTOMATION SOLUTION

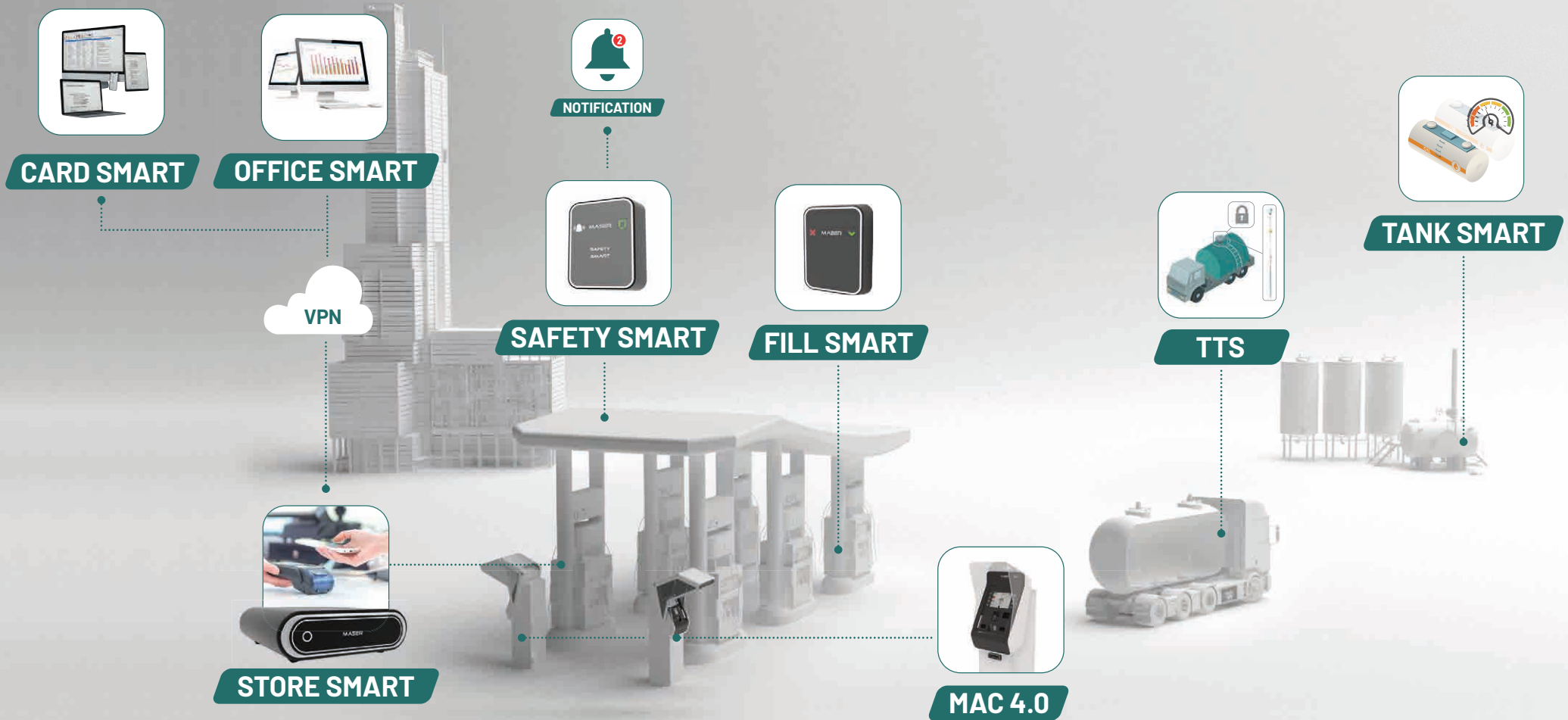
Success, automation, technology

HOW MASER CAN
PROVIDE THE SOLUTION?



FROM THE DEPOT TO THE CLIENT

Our automation system cover the forecourt and the entire downstream delivery chain





A COMPLETE, UNIVERSAL AND MODULAR FORECOURT AUTOMATION SOLUTION



VET SMART



CRIND SMART



SAFETY SMART



NOTIFICATION



MEDIA SMART



CARD SMART



STORE SMART



TANK SMART



FILL SMART



MAC 4.0

PRICE TOTEM



EV CHARGER



COMPANY OVERVIEW

WHO WE ARE

For forty years, MASER has managed to stay ahead of the competition by driving innovation in the industry. From the fuel depot and tanker truck fleet, to the forecourt and convenience store we continue to raise the bar, improve, innovate and set industry standards.

OUR VALUES AND EXPERTISE

MASER has invested significant resources in critical in depth analysis of all segments of the petrol retail industry. Our experienced service and R&D experts continuously search for elements of the operational management systems and forecourt (SW/HW) infrastructure finding room for improvement and optimization. Our business development analysts have become top-level experts, not only in petrol retail automation, but also in environmental compliance, financial transaction automation systems compliance, local and international accounting standards, compliance and much more.





COMPANY OVERVIEW

WHEN SHOULD YOU CONTACT US

If you are looking to invest in a new fuel retail site/network, or are planning to improve and upgrade, MASER can deliver your end-to-end forecourt automation solutions faster than anyone.

Our open and modular solution architecture allows our system to integrate with any existing or legacy dispensers, ATG Systems, Price Totems, Fiscal or Monitoring & Management Systems you might choose or already have in place.

When you need to build from the ground up or improve your current forecourt infrastructure for optimization, cost reduction, modernization or compliance reasons, you would prefer to invest only in what you need, not what the equipment vendor has decided sell you.

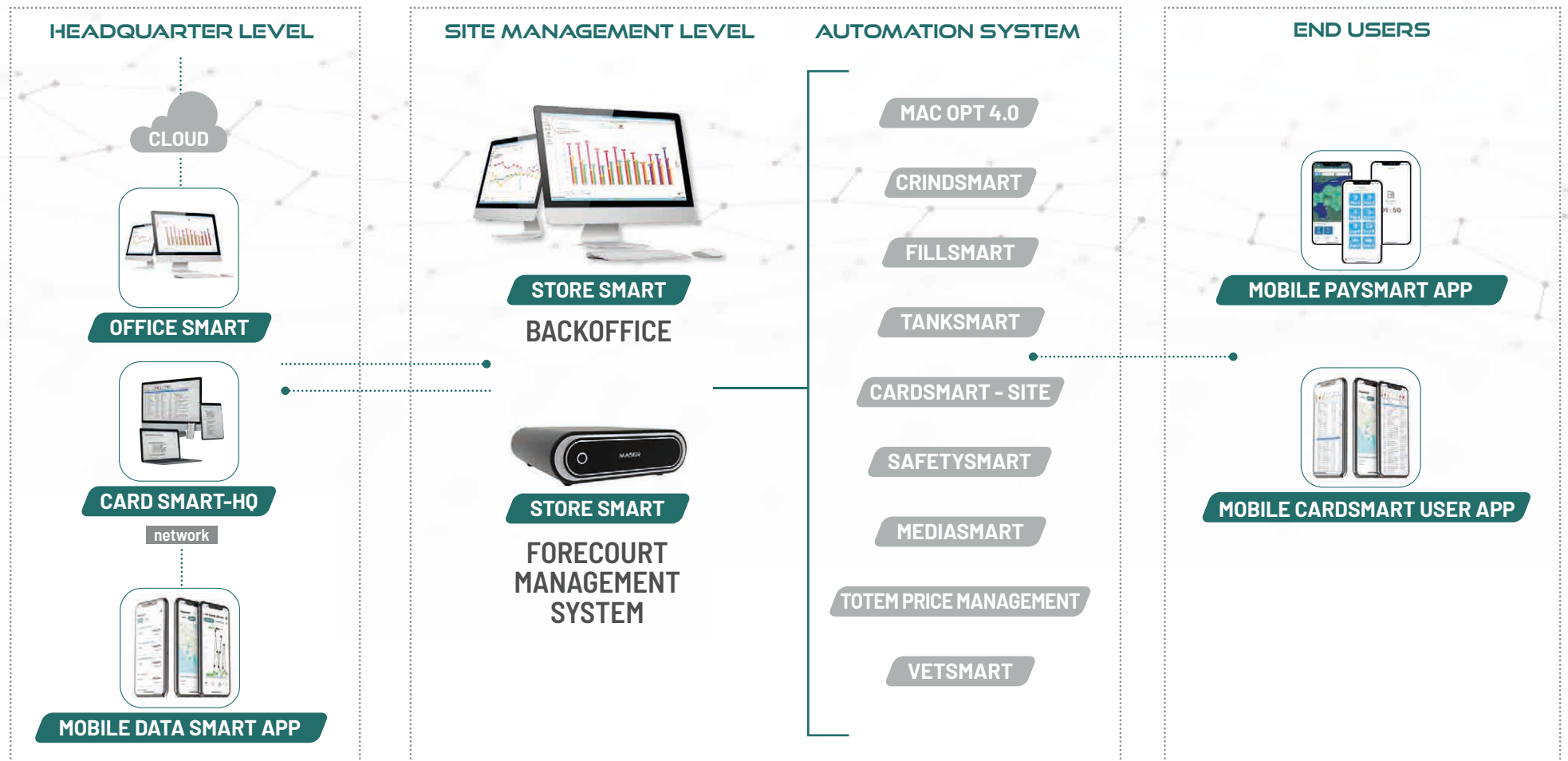
We empower you to build or enhance your forecourt infrastructure and go to the next level, while minimizing the investment cost.

*With Maser Italia
you invest less to get more!*

AUTOMATION SOLUTIONS

- **StoreSmart 4.0**
All-in-One forecourt management solution
- **MAC OPT 4.0**
Self-service forecourt management and payment terminal
- **CrindSmart 4.0**
Complete electronic payment device on the dispenser
- **PaySmart APP**
Mobile app for paying the refueling from the smartphone at the pump
- **FillSmart 4.0**
Next-gen contactless card user identification system
- **TankSmart 4.0**
Integrated wet stock management system
- **OfficeSmart 4.0**
Centralized system for network management and monitoring
- **DataSmart APP**
Mobile app for real-time monitoring of Petrol station and networks
- **CardSmart 4.0**
All-in-One solution for loyalty, fleet, prepaid and postpaid card management
- **CardSmart Users APP**
Mobile app for loyalty card owners
- **MediaSmart**
Digital content management system
- **SafetySmart**
Safety and prevention alarm and alert monitoring system
- **Fleet Management Solution**
Access, authorization, refueling and monitoring of your fleet
- **VETSmart**
Video Event Tracking system
- **Tanker Truck Smart**
Monitoring and control of fluid freight and delivery

AUTOMATION SOLUTIONS



STORESMART 4.0

StoreSmart 4.0 system is designed to service all the needs of a petrol station manager. From the real-time management of all petrol products and forecourt equipment to the retail and accountability of all convenience store items.

As a result of constant development and improvement of our system in terms of managing new solutions and functionalities, our Store Smart 4.0 is an ALL-IN-ONE Forecourt Management System that offer a complete and fully integrated solution in one single system.



STORESMART 4.0

MAIN FEATURES AND BENEFITS:

- There is practically NO LIMIT to the number of dispensers and other forecourt devices and systems Store Smart 4.0 can interface with and manage.
- Thanks to our site architecture it is possible to have only one Store Smart Unit or more Units in relation to the specific needs on each Fuel Service Station.
- The built in Universal Forecourt Controller (UFC) can interface with any contemporary dispensers and ATG systems.
- 4.0 Certified Forecourt Management System.
- Built in PCI PED, IFSF, EMV level 1 & 2 certified electronic payment application.



STORESMART 4.0

- Dispenser-vendor-independent (built-in multi-protocol compatibility)
- Complete control of the service station infrastructure - Dispensers (Gasoline, Diesel, CNG, LNG, LPG, AdBlue and Hydrogen), Electrical chargers, OPTs, ATG, Price totems etc.
- Integrated end-to-end electronic payments (Bank & Credit Cards, Fuel Cards, Fleet Cards, etc.)
- Time/island operation mode management (unmanned, fast line, hybrid, etc.)
- Real-time and scheduled product price management



STORESMART BACKOFFICE

- Built-in accurate reporting tools and facilities, minimizing the possibility for fraud and human errors
- Graphic data visualization and analytical tools
- The intuitive and easy to use touch screen interface reduces cashier-training time and increases a cashier's accuracy and speed
- Flexible and seamless integration with any fiscal, accounting, ERP, etc. systems
- Client-tailored to comply with market-specific regulatory and legislative requirements
- Complete with various modules for specific management of important different needs for improve and simplify the daily activity on each fuel service station



MASER OPT MAC 4.0



MAC 4.0 UNO (SINGLE FACE)

MAC 4.0 is not only an outdoor payment terminal. MAC 4.0 is an autonomous forecourt management system, capable of managing all critical processes, devices and systems at the petrol station 24/7. MAC 4.0 accepts cash and card payments and can be equipped with a standard safe version, a Class 2 double-wall - concrete reinforced safe, or an automatic underground super-safe. The built-in Universal Forecourt Controller (UFC) is a proprietary solution capable of communicating and integrating with all existing and legacy forecourt devices.

MAIN FEATURES AND BENEFITS:

- Master-Master architecture-independent critical forecourt operation systems management
- Improved transaction time and overall efficiency of the service
- Real-time, two-way, automated communication with the HQ ERP system
- Unmanned 24/7 service station operation
- Multi-language-ready (text & vocal instructions)
- Possibility for voice and visual advertisement
- Vehicle identification system module (optional)
- Flexible branding and personalization



MAC 4.0 DUO (DOUBLE FACE)

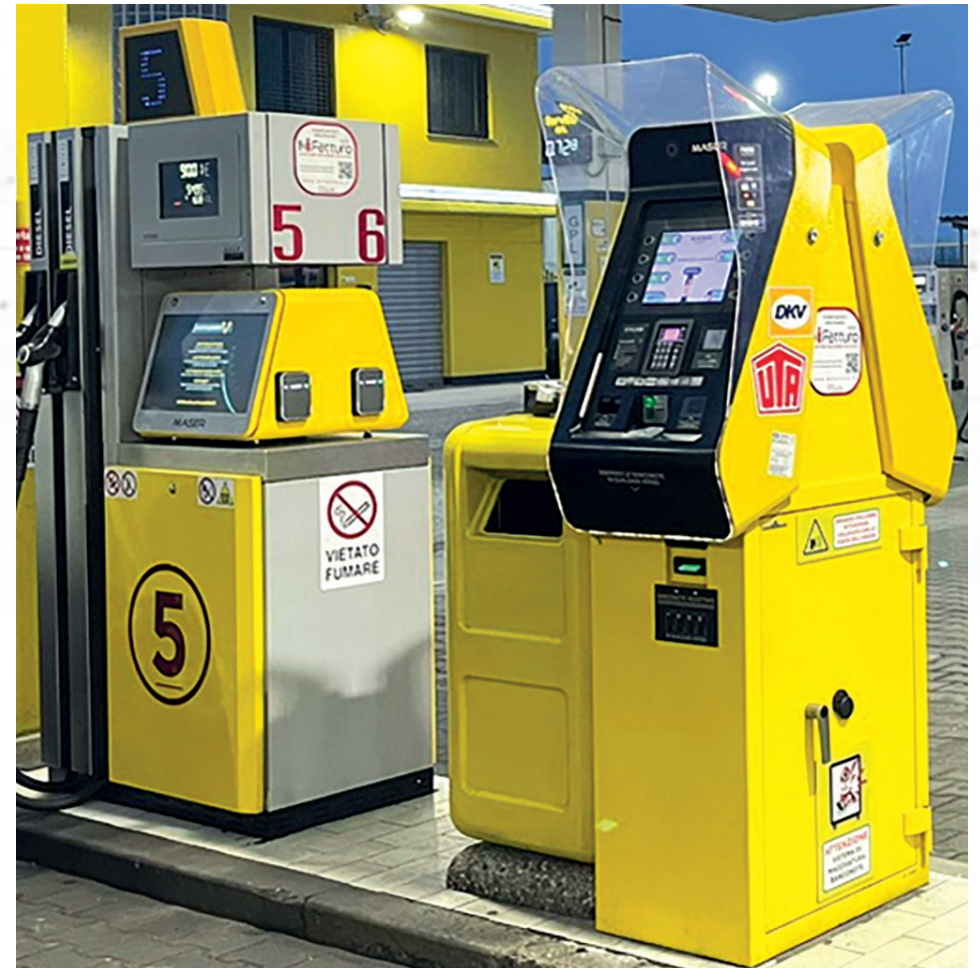
We also offer a double-sided version of the MAC 4.0 - MAC 4.0 DUO. The unique MASTER-MASTER software architecture delivers the lowest possible operation downtime in the industry. MAC 4.0 is designed to have 100% redundancy with the Store Smart 4.0 forecourt management system. The MAC 4.0 can manage all the necessary forecourt operation systems - Dispensers, Price totems, ATGs & Car-wash systems etc. The payment module is PCI PED, IFSF, EMV level 1 & 2 certified.

MAIN FEATURES AND BENEFITS:

- TOP industry security standards for bank note and card acceptance transactions (EMV, PCI DSS, CB2, etc.)
- Multi-protocol support for Dispensers, Price totems, ATGs & Car-Wash systems
- Automated cash flow and attendant shift control and monitoring
- Next-gen physical, cognitive and lighting ergonomics
- Linux OS-fastest reboot and minimum downtime
- Flexible operation modes (Unmanned, Fast line, Hybrid etc.)



MASER OPT MAC 4.0



CRINDSMART

Maser has developed his own CRIND solution. CrindSmart is an innovative full touch technology which allows the customers on a petrol station to pay their refuelings right at the pump. The CrindSmart Solution can be installed either on the dispenser or right on the side of the dispenser. It can be installed on any kind of existing dispenser on the site.

CrindSmart allows the customers to pay using their cards as:

- Debit and credit cards
- Fuel cards
- Fidelity cards
- Loyalty cards
- Attendant cards





CRINDSMART

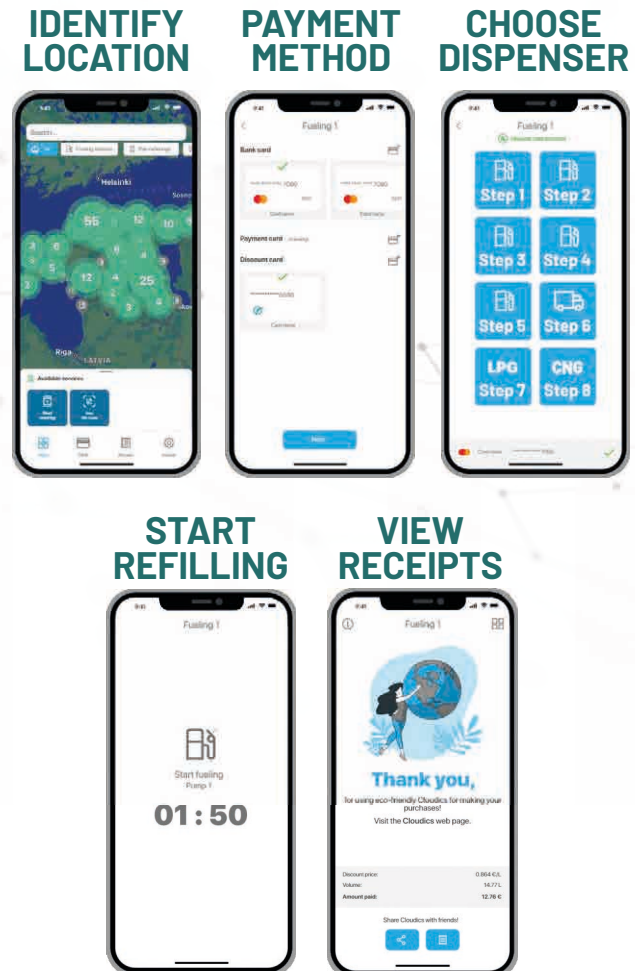
The CrindSmart is available in two possible configuration. Installed on the dispenser, or stand-alone near each dispenser.



PAYSMART APP

With PaySmart App, the refueling can be authorized from your mobile phone just with a few taps on the screen, you can start your refueling right from the car, selecting the number of the dispenser side or scanning the QR code. After the refuel is finished, the amount will be charged to the preauthorized payment method.

The price of the fuel can be either the price displayed on the pole or a discounted one, according to the existing price rules with the specific CardSmart account.



FILLSMART

FillSmart is a proprietary solution, product of decades of field experience, featuring the latest communication technologies. All attendants are assigned certain rights and limits to the operations they can perform. The system ensures the accountability of every action on the forecourt, keeps secured logs and facilitates the end-of-shift operations, reporting and reconciliation. MASER's FillSmart solution reduces the possibility for fraud and human errors to zero.

MAIN FEATURES AND BENEFITS:

- Attendant identification technology, which optimizes, secures and speeds-up the service
- Full end-to-end control of every drop of fuel, every cent and every transaction
- Automated management and control of all fuel dispensing operations
- Automated management and control of all attendants
- Real-time activity logs on all attendants' operations
- Dispenser-vendor-independent technology
- 100% fraud and human error prevention
- End-to-end encrypted communication



FILLSMART



TANKSMART

Our Tank Smart system for fuel depots and petrol stations applies the best technology for real-time automated control and monitoring of your fuel stock. We offer top-grade magnetostrictive probes (up to 22 meters) as part of a complete automated HW/SW solution. The built-in alarms and alerts empower you to plan all your fuel orders and deliveries ahead.

MAIN FEATURES AND BENEFITS:

- Automated:
 - data reading and/or transcription
 - detection and control of contaminated fuel dispensing
 - sludge and water detection and monitoring
 - management of minimum levels
- Verification of the temperature with relative compensation at 15°
- Detailed and customized reports on all fuel products
- Secure real-time communication with HQ ERP systems
- Built-in preemptive alerts (phone/sms/e-mail)



TANKSMART

In accordance with the highest accuracy standards we developed our own ATG system, which utilizes the magnetostrictive level gauge technology, allowing an accuracy of 0.01 mm.

Developed as an integrated part of our automation system allows a higher reliability and a full remote diagnostic, together with the latest wireless communication technology which enable cable and maintenance cost savings.

The system can be utilized either on the road service stations, in fuel depot or in mobile on-road fuel trucks.



OFFICESMART

Office Smart is a complete and sophisticated management system for remote real-time monitoring of all forecourt systems. Office Smart empowers the company headquarters specialists to monitor and control remotely all important processes and systems, while collecting and structuring critical forecourt management data.

MAIN FEATURES AND BENEFITS:

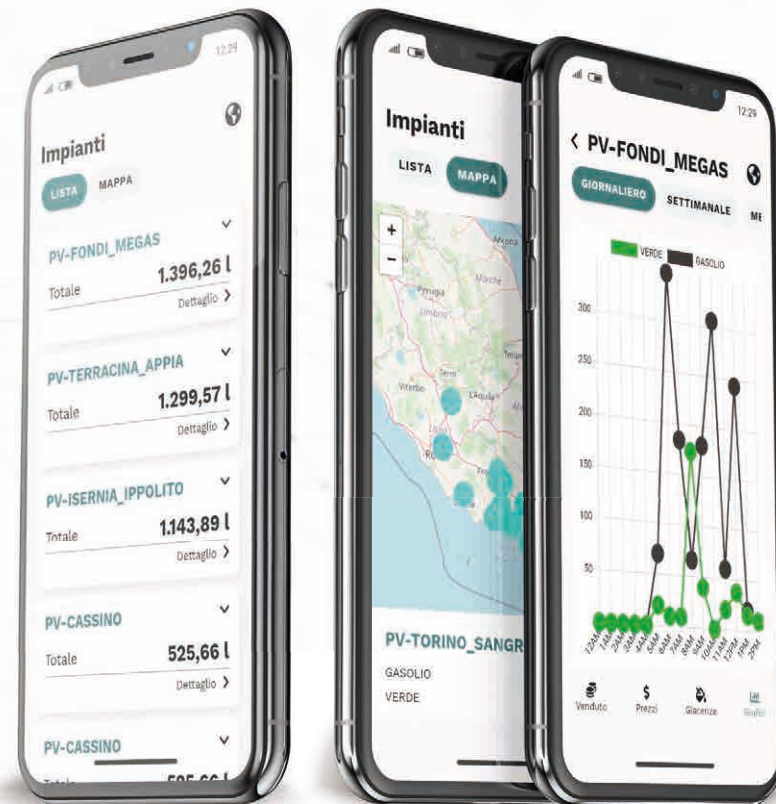
- State of the art reporting module (more than 100 reports)
- Built-in alerts for operation-critical parameters and systems
- Remote price and product management:
 - Direct real-time price changes
 - Pre-defined timer-scheduled price changes
- Real-time data collection
- Real-time forecourt device operation monitoring
- Built-in fuel stock analytics
- ERP integration-ready



DATASMART APP

THE DATA SMART APP GIVES MANAGERS REAL-TIME MOBILE ACCESS TO OPERATIONS DATA AND INFORMATION ABOUT ALL PETROL STATIONS IN THE NETWORK.

- Real time monitoring of sales and fuel stock per petrol station
- Real time sales reports by product (per shift, 24/h, week, month)
- Graphical analytical reporting tool
- Price management:
 - Price changes in real time
 - Price changes at predefined times
- Fuel stock monitoring with graphic visualization
- Real time alarm notification
- Map visualization of GPS locations



CARDSMART

The MASER CardSmart system is a unique solution, which empowers you to create, customize and manage your own branded loyalty/points/discount scheme.

Our solution is a complete proprietary card management system. The management access tools and functions allow the station/network operator to control, update and manage all loyalty parameters and functions in real-time.

MAIN FEATURES AND BENEFITS:

- Define your own loyalty card management scheme
- Freedom from third-party data management services
- Real-time management of all client/card related parameters defined in the system
- Black list/white list and real-time card authorization functionality
- Loyalty/points/discount/prepaid cards management
- Pre-defined/customizable, automated reports
- Intuitive graphical user interface (GUI)
- EMV-encryption security level
- Elimination of paper vouchers



CARDSMART

With a user-friendly and complete dashboard, CardSmart makes the loyalty program management easier, both for the single petrol station as like for all the petrol station network.

CardSmart is complete and full system providing to manage all the needs related to the fidelity and loyalty cards management.

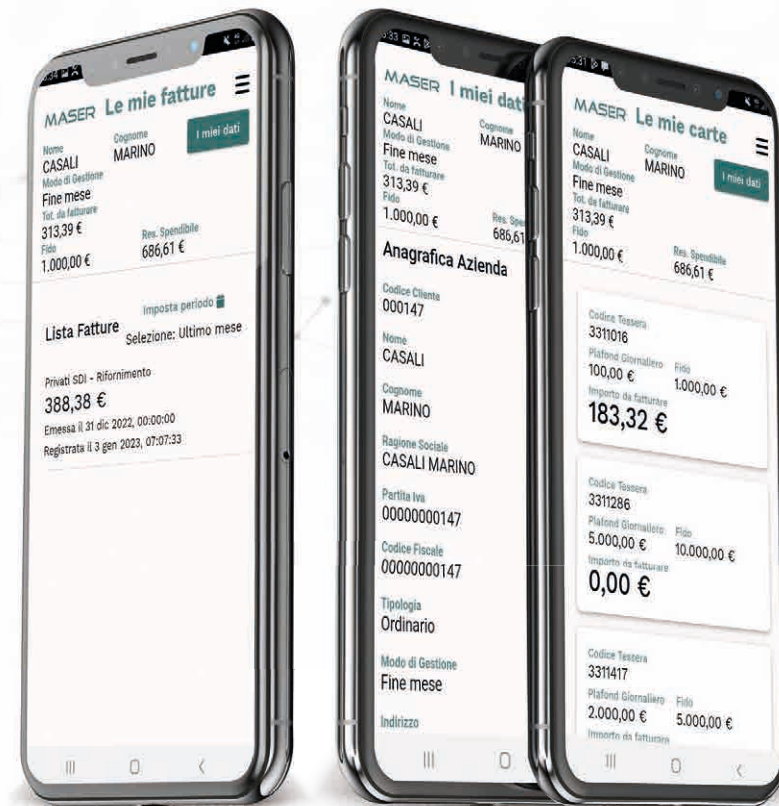
Both CardSmart HQ and CardSmart Site provides all the functions for the daily management and for the end of month activities, like balance for each card, electronic invoicing for customers, complete reports, statistics and detailed informations.



CARDSMART USERS APP

The CardSmart Users APP gives to all CardSmart Users real-time mobile access to check operations and transactions of their cards

- Real-time monitoring of prepaid balance, credit limits, loyalty points and cumulated discounts.
- Periodic report of the transactions and of the payment method.
- Dashboard for invoice status and document visualization.
- Account interface for checking client details and invoicing information.



MEDIASMART 4.0

MEDIA SMART 4.0 is a media streaming device, designed to be on the forecourt. It allows the station/network owners to display various information as:

- Graphic logo and brand animation
- Customized digital marketing streams to be viewed by the clients during the filling or during their staying on the Service Station
- Prices applied on the Service Station for each fuel product and for each operating mode



MEDIASMART 4.0

MEDIA SMART Units are available in different models for various kind of possible application as:

- MediaSmart units as intelligent display to be placed on Tatsuno dispensers
- MediaSmart units as intelligent panel display to be installed on top of the islands under the canopy
- MediaSmart units as intelligent panel display to be installed into the shop of the Service Station
- MediaSmart units as intelligent ledwall panel to be installed as price totem
- MediaSmart units as intelligent ledwall panel to be installed on a side of the canopy or on a wall of the kiosk



MEDIASMART 4.0

Main features and benefits of MediaSmart Units:

- Remote digital content management
- Increase revenue with direct target marketing through digital stream and slots sales
- Simple, ergonomic and aesthetic design
- Universal positioning



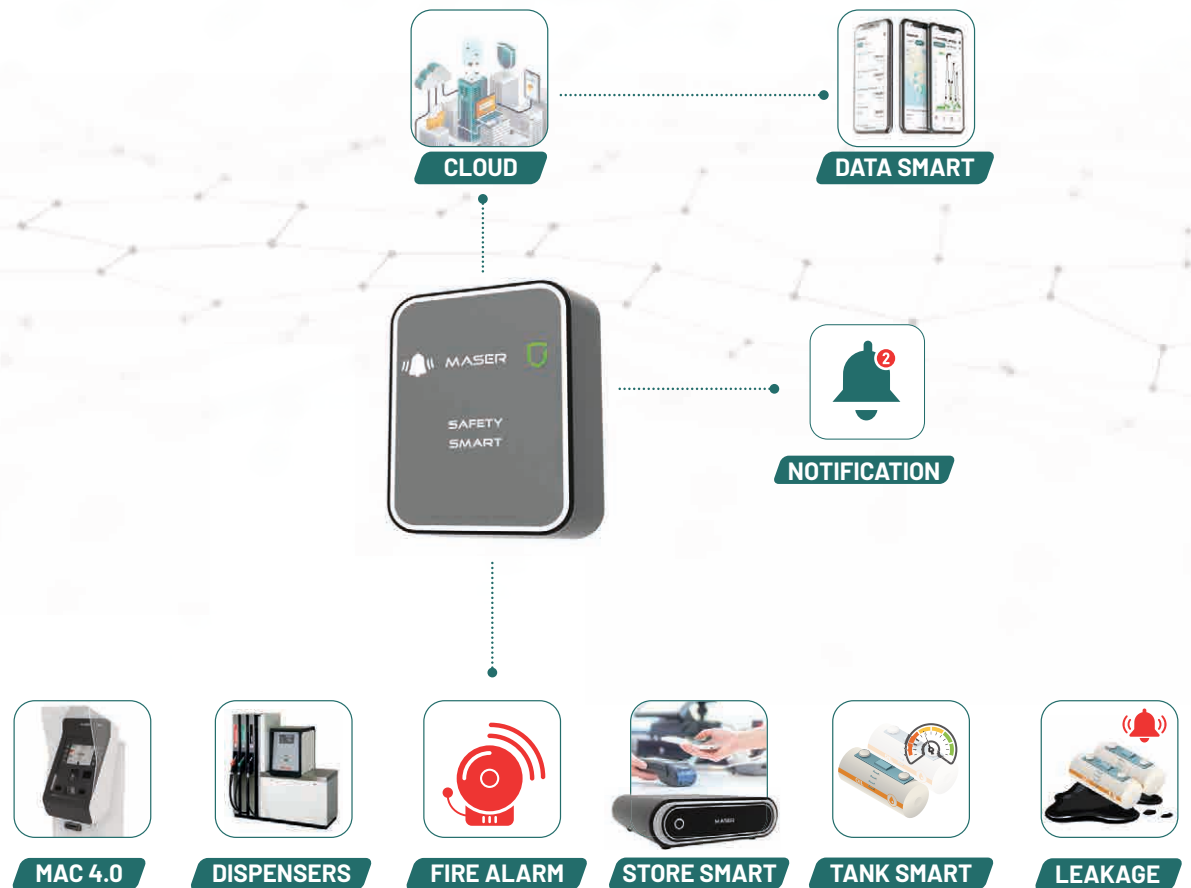
SAFETYSMART

THE SAFETYSMART DEVICE IS A HW AND SW SECURITY SYSTEM, WHICH MONITORS IN REAL-TIME ALL THE EQUIPMENT ON THE FORECOURT

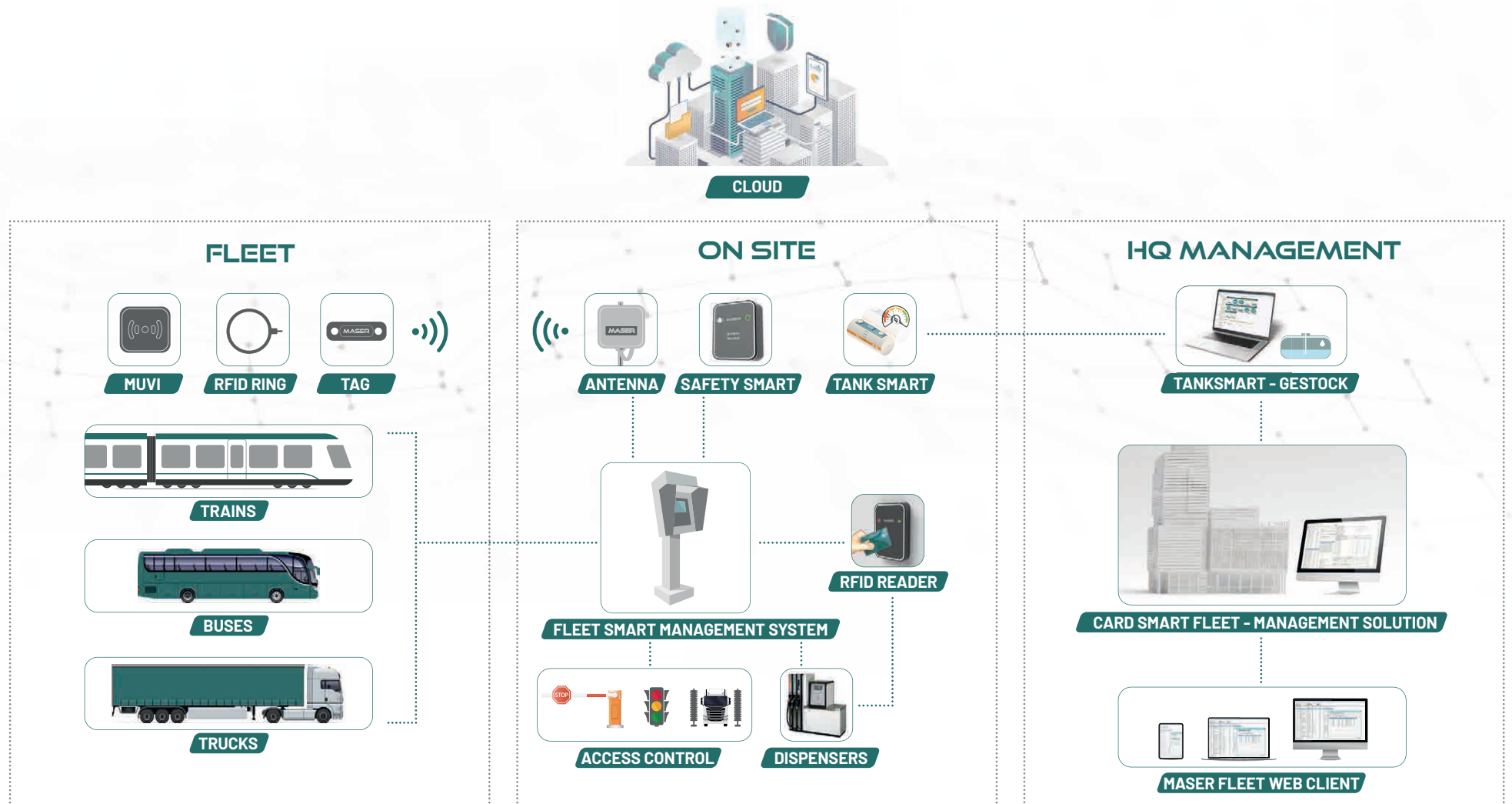
FEATURES

Alerts: SMS, E-mail, Mobile App Push Notifications

Alarms & Critical forecourt equipment monitoring and analysis: ATG, Dispensers, Price Totem, Vapor Guard, MAC 4.0, Store Smart, VIDEO surveillance, Light management, FIRE prevention system etc.



FLEET MANAGEMENT SOLUTION ARCHITECTURE



FLEET MANAGEMENT SOLUTION PROCESS AUTOMATION AND FEATURES

PROCESS AUTOMATION FEATURES

- Manage access to the site/station/carwash
- Detect and identify tagged vehicles
- Identify drivers with fleet cards
- Detect and identify the vehicle's fuel tank
- Record odometer data (GPS route and fuel tank level)
- Forecourt devices management (dispensers, ATG system)
- Authorize refueling
(Diesel, Petrol, LPG, CNG and LNG, Hydrogen, Electric charging)

DATA MANAGEMENT FEATURES

- Manage vehicle/driver accounts
(permissions, rules, stats, type of fuel, etc.)
- Local and centralized database for all transactions
- Remote (Cloud) access and control of the system



FLEET MANAGEMENT SOLUTION: OUR CLIENTS

- ➔ **Local/regional public and private transport company**
- ➔ **Logistic and freight company**
- ➔ **Construction company**
- ➔ **Railroad transport company**
- ➔ **Taxi and car service**
- ➔ **Institutional fleets**
- ➔ **Private fleets**
- ➔ **Waste collection company**

VETSMART – VIDEO EVENT TRACKING SYSTEM

VETSMART is the module of our Automation through which you can track all the events of the petrol station and having all the information available and accessible in an unique way. With this system we offer an intelligent and easily accessible system to monitor 24/7 what is happening in the refueling forecourt, inside the shop or at the carwash. Thanks to this system, everything that happens on the site is tracked and traceable, automatic linked to every transaction. The system prevents and therefore reduces to zero any risk of cheating, fraud or illegal behaviour.



TTS

MASER's Tanker Truck Smart solution (TTS) is a unique integrated system for fuel products transportation, control and monitoring. By integrating top-grade magnetostrictive probes, electronic seals, GPS tracking, multiple sensors and a system for event data logging, we accomplish virtually unmatched level of security, accountability and fraud & theft prevention.

MAIN FEATURES AND ADDED VALUE:

- Fuel entry and exit points security with Electronic seals - ATEX zone 0 certified
- Magnetostrictive probes for product, water and temperature monitoring
- Centralized real-time-data graphic interface monitoring system
- Easy, cost-effective wireless installation
- Depot-to-site product monitoring with real-time communication
- Automated and secured data logs



TTS

- From the depot to the petrol station, the operator of the tanker truck fleet can monitor all the fuel products' characteristics and parameters.
- Detailed and secured logs are kept for all events and actions of the tanker truck and the exit and entry fuel points/valves.



TRANSITION 4.0 CERTIFICATION

ATTESTATO DI CONFORMITA' READY 4.0
 Legge n. 252 dell'11.12.2016 - Legge di Bilancio 2017
 Decreto Sud Legge n. 123 del 3.09.2017 - Piano Nazionale Industria 4.0 - 2017 + 2020
 Proroga Legge n. 235 del 27.12.2017
 Legge n. 104 del 27.12.2016
 Legge n. 178 del 30.12.2020

Attestato n°: 021.ATS-0102-MAS/Ready 4.0 Numero PRODIGE: IP-2021-115140 Data: 09.03.21

Proprietario: **MASER ITALIA s.p.a.** Indirizzo: Via degli Angeli, 20/E
 P. IVA: 01545700297 40024 Castel San Pietro (BO)
 Codice Atto: 2E/201 PEC: maseritalia@pec.maseritalia.com

Descrizione del bene: Soluzione per l'Automazione della Stazione di Servizio completa di gestione centralizzata dei dati - Magazzini automatizzati interconnessi ai sistemi gestionali di fabbrica - punto 12 primo gruppo dell'Allegato A della Legge di Bilancio. (beneficiaria di circ. MISE n. 177355 del 20.05.2016) con erigibile IAT50M2

N. identificativi dei nodi e componenti impianto:

- Terminali di piazzale Mac SP monofacciale
- Terminali di piazzale MAC 4 monofacciale
- Terminali di piazzale MAC SP DUO bifacciale
- Terminali di piazzale Mac SP DUO bifacciale
- Erigibile IAT50M2
- RT FMSmart
- Sistema di Gestione del Piazzale StoreSmart
- Sistema di controllo delle giacenze nei serbatoi Gestioni
- Applicativo di gestione delle carte clienti CardSmart
- Sistema di gestione centralizzata dei dati OfficeSmart

Dati caratteristici:

- M40541-MCBLJ3.R. Centrale base Terminali di piazzale Mac SP monofacciale
- M40541-ORCSJ3.R. Centrale base Terminali di piazzale Mac SP DUO bifacciale
- M40204R80.R. Centrale base Sistema di gestione dei Piazzale Store Smart
- M40211.R. Centrale base Sistema di controllo delle giacenze nei serbatoi Gestioni
- M40714R16.R. Centrale base Applicativo di gestione delle carte clienti CardSmart
- M40714R16.R. Centrale base Sistema di gestione centralizzata dei dati Office Smart

N. doc. del manuale:

- obn_TED01-ENFOEX System-Description rev. 12
- Avviantura Soluzione Maser con IAT50M2_01 del 11.12.2021
- Debuggio IAT50M2 E S con automazione Maser a Titano_01 del 11.02.2021

Organismo di Certificazione di Sistemi e Prodotti
(TUV Thüringen Italia S.r.l.)

(per certificazioni accreditate di sistemi di gestione ISO 2, ISO 9001, ISO 14001, ISO 45001, ISO 22000)
 (per certificazioni accreditate di prodotti (CECIS A.P. e ISO 22000))

S001-AME2-0002-09-21_000040_10002_1_0

Attestato n°: 021.ATS-0102-MAS READY 4.0 Numero pratica: IP-2021-115140 Data: 09.03.21

DICHIARA

sotto la propria responsabilità, che il bene sopra descritto e richiamato nell'allegato rientra fra quelli elencati nell'articolo 12 primo gruppo dell'Allegato A, assimilabili a "magazzini automatizzati interconnessi ai sistemi gestionali di fabbrica".

- E' configurato per rispettare tutti i requisiti di cui all'articolo 11.1 (punte 1-3-3-4-5);
- E' configurato per rispettare n. 2 requisiti di cui all'articolo 11.1, nello specifico:
 - sistema di tele-manifestazione e tele-diagnosi con controllo in remoto;
 - monitoraggio continuo delle condizioni di lavoro e dei parametri di processo mediante opportuni set di sensori e adattività alle derive di processo.

e che, se installato e connesso, come richiesto dall' art. 1 comma 51 della legge di bilancio 2017, modificato dall'art. 7 novies del Decreto Legge 29.12.2016 n. 243, convertito con modificazioni dalla legge 27.02.2017 n. 18 e dall'art. 65 della Circolare dell'Agenzia delle Entrate n. 4/E del 30.04.2017, e secondo le modalità temporali del Decreto Sud convertito in Legge n. 122 del 3.09.2017 - G.U. del 12.06.2017, proroga Legge di Bilancio n. 209 del 27.12.2017 - G.U. del 29.12.2017, Legge n. 160 del 27.12.2019, Legge n. 178 del 30.12.2020 può dare accesso alla fruizione dei benefici fiscali.

Cosacchio (PR) 09.03.2021

Ing. Massimo Emanuele
General Manager





MOBILE PAYSART APP




MOBILE CARDSMART USER APP

The Maser logo consists of the word "MASER" in a bold, white, sans-serif font, enclosed within a white rounded rectangular border. The background of the entire page is a dark teal color with a network of white lines and dots, resembling a molecular or digital structure.

Universal Automation Solution

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