



Self-checkout

Baseline: Fuel POS 55



OUR VALUES

A Collaborative Entrepreneurial Spirit

Winning Through Customers

Engaging in High Ethical Standards, Openness and Trust

Fostering

Expectations for Results

Respecting and Valuing People





OUR VISION

Enabling the evolution of consumer experience in fueling and convenience retail.





OUR MISSION

A leading global provider of advanced customerfocused technologies, services and solutions in the fuel and convenience retail industries.





OUR CULTURE

A team committed to doing great things, collaborating to deliver exceptional business results for our customers. We are accountable, results driven and create value, through continuous improvement and execution excellence.





CULTIVATING EXCELLENCE

Aligned

Accountable

Engaged

Problem Solvers

Customer-Centric

Celebratory in Success

Execution Champions





Maximize business continuity and future flexibility with comprehensive services in the cloud

Consumer journey transformation

Easy, fast and convenient fuel retail shopping is not only desired, but expected; consumers are evolving and are demanding an enjoyable and exceptional shopping experience



Why choose a self-checkout solution?

Happy customers

Queuing has been a **key frustration** for consumers over the past years. Self-checkout kiosks are simply faster. Even in peak periods studies show that consumers can scan, pay and get on with their day in much less time.

Better use of personnel

A single employee can supervise multiple self-checkout kiosks, assisting consumers when needed. Self-checkout kiosks can **lower operational costs** by having less one-lane cashiers. It also allows merchants to redeploy employees to other valuable tasks

Speed & simplicity

A self-checkout solution is ideal for consumers with small baskets and strong card payment usage, this makes it **ideally suited to the fuel retail** sector.

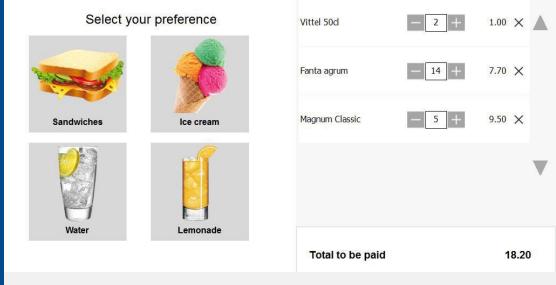
Small footprint

Multiple kiosks can be **placed into a relatively small area** and typically take up the same amount of space as a single traditional point-of-sale with a cashier.



Self-checkout application

The self-checkout is DFS' answer to changing business needs, focused on a consumer-centric eco-system, leading to faster checkouts and shorter waiting times



Modern, simple, multi-language and easy-to-use user interface

Supports in-store products, car wash and fuel with CCTV pictures

Configurable button colors to align with company branding policy

Integrated loyalty earn functionality

Standardization while maintaining branding strategy

Self-explaining user interface

Maintaining brand recognition

One single software for all customers

One single software for all markets





Self-checkout kiosk

Modern & slim design with the focus on a small form-factor to provide in-store flexibility



Use of standard hardware to minimize impact on supply chain and maintenance costs

Colored light on top to draw the attention of users or attendants

Printer cover that can be opened for paper roll replacement only

Multiple kiosks can be placed for optimal convenience and throughput



Improvement through customer feedback

Design #1 prototype designed and field tested with Shell and Q8

Feedback gathered via customers and TSG

Design #2 prototype designed based on feedback

- Complete re-design for a more professional and modern look and feel
- Improved touch experience → no more screen calibration
- New solution to open the receipt printer door for replacing paper

Design #3 production model

Minor improvements → mainly related to the inside and cable management







Paper replacement

Printer cover can be opened for paper roll replacement only

Small opening on the right side of the kiosk. Special stick can be used to open the printer cover

Paper can be replace easily without having to open the main unit





Solid green

Self-checkout is ready to use

Single green flash

After a successful payment

Slow flashing green Help! A customer needs assistance Flashing for 60 seconds or until operator is logged in

Slow flashing red

Out of order → receipt printer out of paper

Solid red

Self-checkout is not available







17" touch screen

barcode scanner

Datalogic

receipt printer

payment terminal

Crypto IPT P400 PCI P2PE with OASE

dimensions

floor plate: W:400mm D:275mm front unit: W:420mm H:605mm D:55mm back unit: W:400mm H:500mm D:275mm absolute measurements: W:420mm H:645mm (incl. LED bar) D: 300 (excl. terminal)

Kiosk dimensions





Security and certifications

DFS provides industry-leading, fully certified, solutions with a high focus on security that help you manage all aspects of your business and certification requirements



Configurable random fraud prevention

Housing lock with unique key per kiosk

Reduces in-store cash. Focus on card & mobile payment

PCI point-2-point encrypted solution with OASE MID-certified solution (Measuring Instruments Directive)

The secret in four words

Don't make me think



It's all about adopting technologies that enhance the customer journey in meaningful ways.

Provide a real benefit for the customers by giving them a choice and faster checkout experiences.

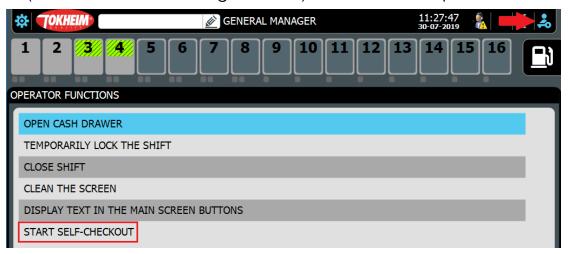
Show customers what to do. The system is intuitive but make sure to guide customers through the experience upon launch.

Choose the right location and indoor placement. It's not just about the kiosk but about improving the customer experience.

How it works!

Start self-checkout mode

■ When the Self-Checkout option in eMIS menu 7-A is selected it will be possible to switch from the standard Forecourt User Interface to the Self-Checkout interface by pressing the operator button (see red arrow in image below). A menu will open:



When the option "Start Self-Checkout" is selected the Self-Checkout application will be put in the foreground.

Three ways to start adding items to the basket



Start by scanning a product or push the 'Scan product' button'

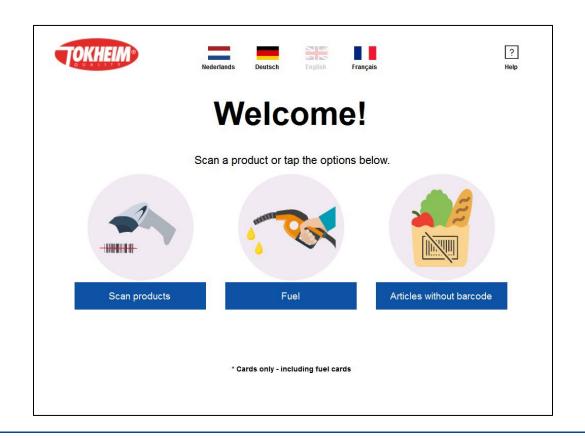
2

Fuel

Start by pushing the button "Fuel"

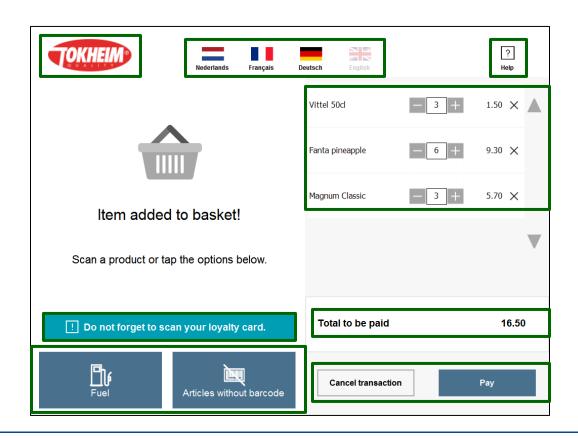
No Barcode

Start by pushing the button "Articles without Barcode"

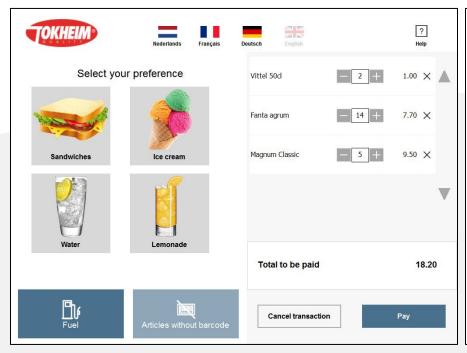


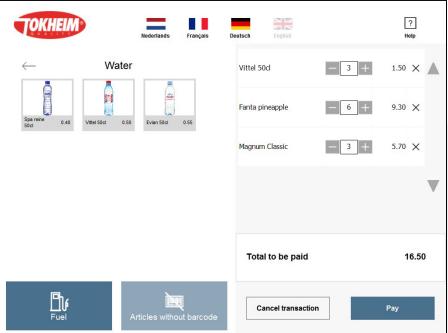
Main functionalities

- Request operator assistance
- Realtime language selection
- Company logo
- Add, update or remove items in basket
- Total amount to pay
- Loyalty reminder
- Select filling or products without barcode
- Pay or abort transaction

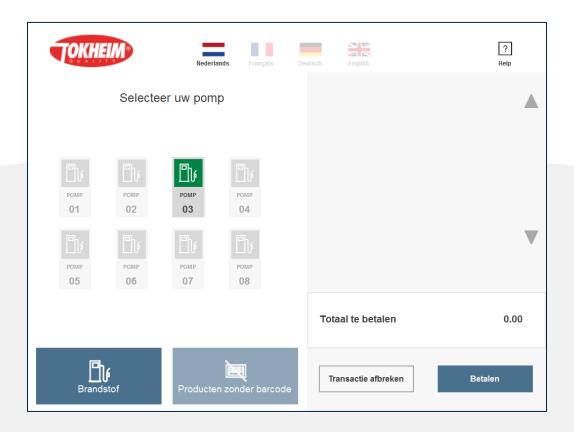


Article buttons

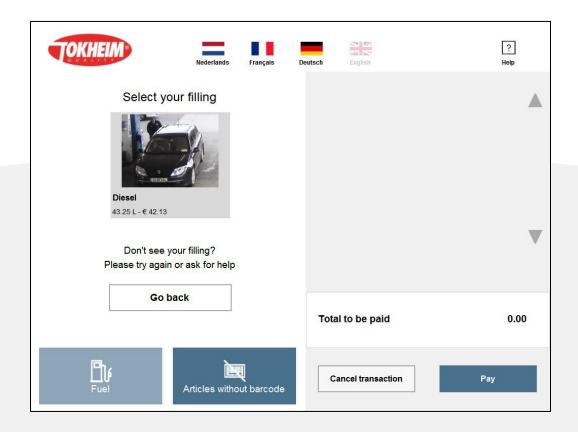




Fuel

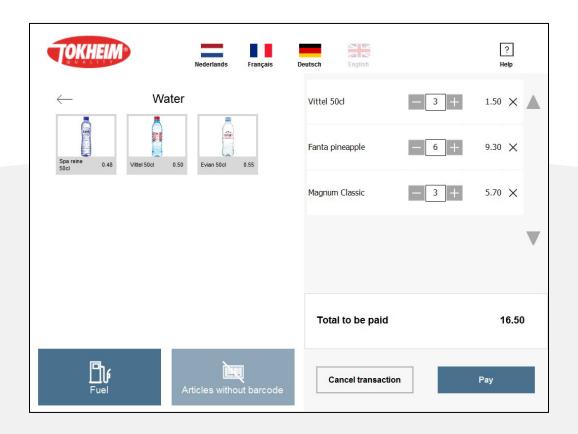


Fuel

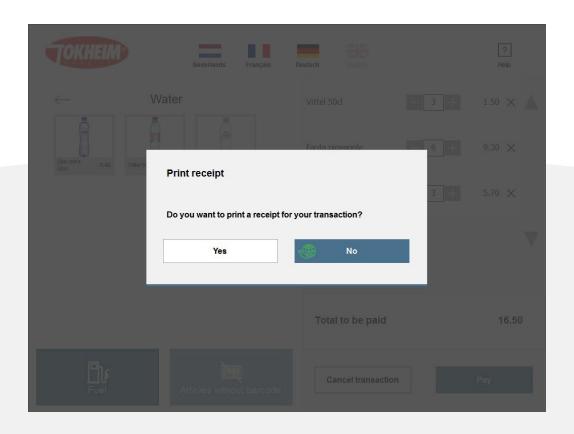


Payment

Payment

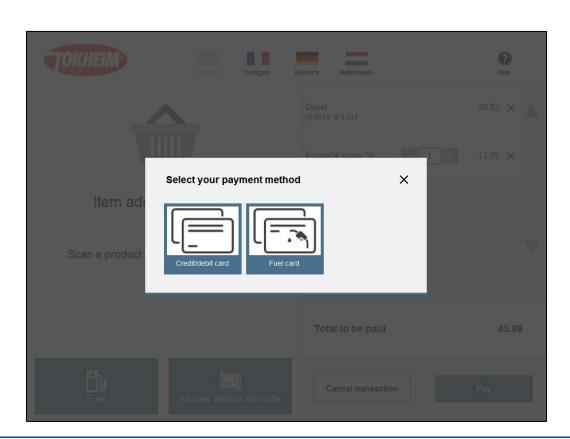


Payment

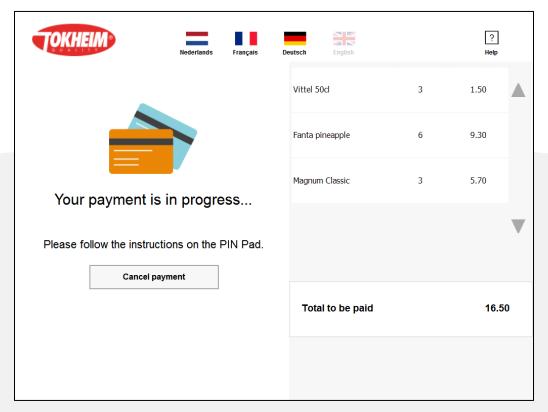


Select method of payment

- Credit/debit card
- Fuel card
- Cash payment
- Payconiq



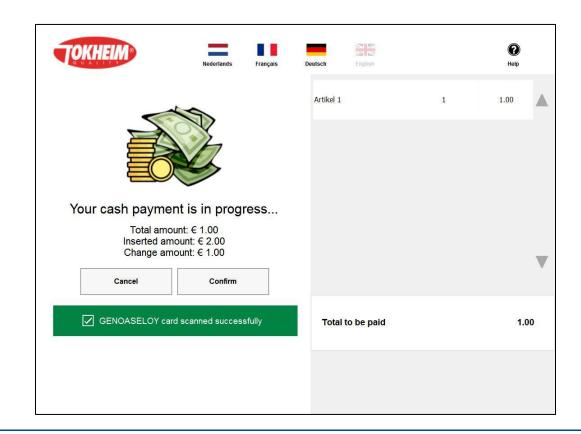
Card Payment



Cash Payment

Works with supported cash machine

- Gunnebo
- Glory (under development)

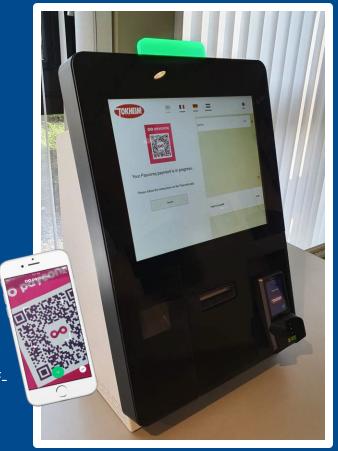


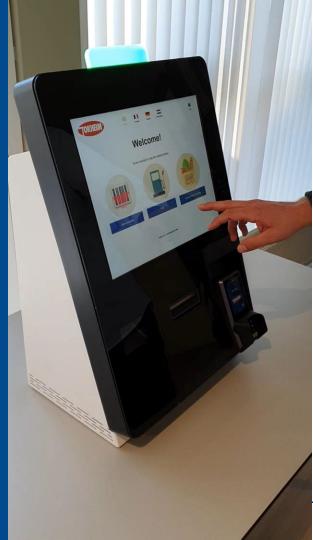


Payconiq

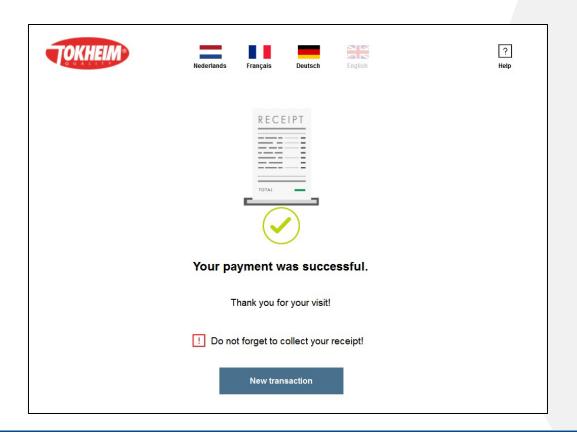
Seamless indoor mobile payment with Payconiq (BeNeLux)

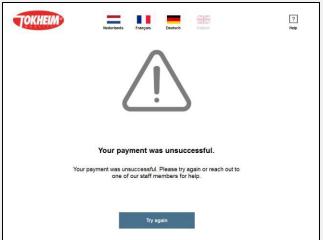
The consumer selects Payconiq as method of payment. A QR code is requested and displayed on the self-checkout. The customer uses the Payconiq app to finalize the transaction.





Payment successful & unsuccessful





Help!

Easy and seamless integration in your store





O User experience

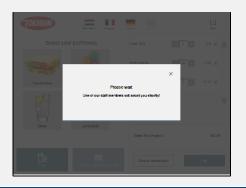
Convenient solution by offering the right user interface to the consumer



Operator assistance

Seamless switch and integration with standard Fuel POS to the customer-facing self-kiosk





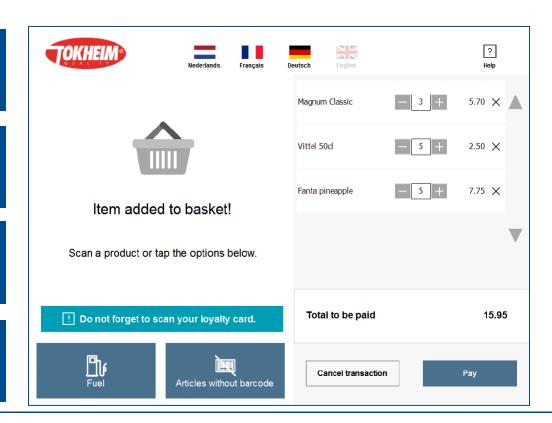
Operator assistance on self-checkout

Consumer requests help

Operator login via key combination

Advanced Fuel POS mode

Switch back to self-checkout



Other features

Reboot automatically in self-checkout mode

In case a Fuel POS on which the self-checkout mode is supported reboots, it will automatically start as selfcheckout terminal.

This is to avoid that the cashier needs to leave his counter to reactivate the self-checkout mode.



Welcome screen look&feel

It is possible to configure an option to restrict the self-checkout terminal to shop articles.

In this configuration the customer can no longer select a filling.

The option to select a fuel is removed from the welcome screen in this configuration.

When no article buttons are programmed the "Articles without Barcode" button will not be shown.



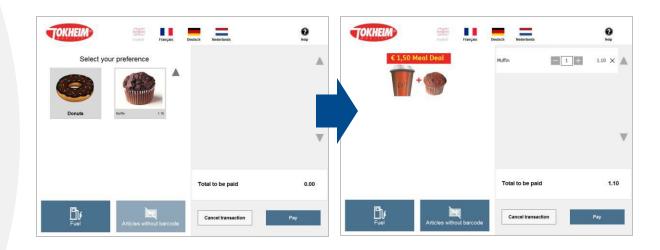


Upselling prompts

When a specific shop article is added to a transaction in the normal POS mode, then a message can be put on the customer display.

These customer messages are now also supported in the selfcheckout mode.

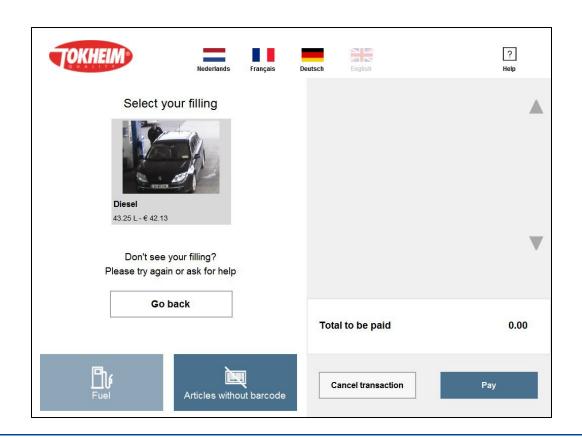
They can be used as upselling prompt, by preference for items that are placed near the self-checkout terminal to avoid that the customer has to go back into the shop.



Filling pictures

CCTV camera pictures are displayed when a filling is selected

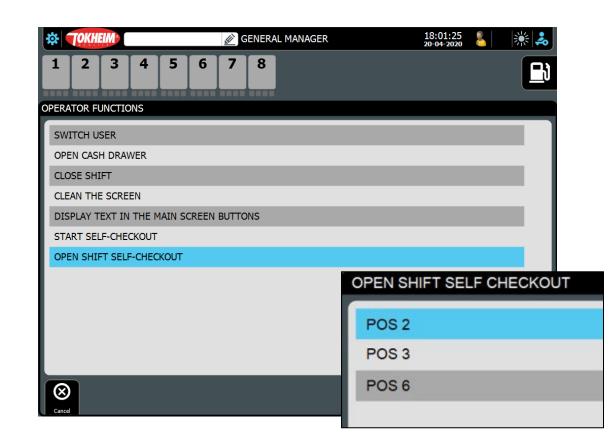
Works with Big Brother



Open shift on self-checkout via remote POS

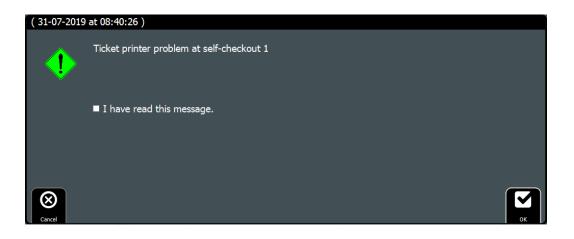
For security reasons, a cashier is often not allowed to enter the shop from behind the counter during certain periods of the day or night. If during that period an accounting day is automatically closed, then the shift of a terminal in self-checkout mode will be closed as well. As a result the shift will need to be re-opened on the self-checkout terminal.

The cashier now has the option to open the shift of a self-checkout terminal from behind the counter, using the POS which is working in normal mode.



Printer problem

A popup will be shown on the main cashier screen whenever there is a problem with a receipt printer in a self-checkout



Fraud checks

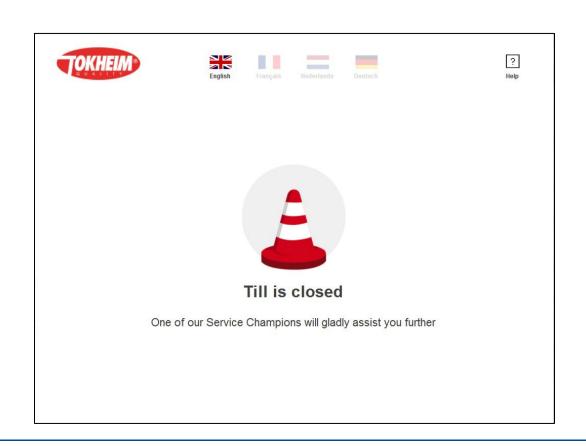
a number of customers can be configured in eMIS. In each range of customers one will be picked randomly for a fraud check.

Example: when one customer on every 20 will be checked the Self-Checkout application will pick a random customer in each 20 customers, so for example: customer number 6 (from 1-20), customer number 21 (from 21-40), customer number 53 (from 41-60), etc.



Shift closed

When the shift is closed the following screen is shown



Monitoring self-checkout

The standard customer display can be connected with a long USB cable for those customers that want to monitor the selfcheckout more easily from the main cashier system

PUMP 03 Diesel	€	50.00
(A 47.62 * 1.050 €/I) Bounty ice cream (3.00 * € 0.62)	€	1.86
Summer ice promo	€	-0.21
Total	€	51.65
Cash	€	60.00
Change	€	-8.35
Спапде	€	-0.

eMIS configuration

Self-checkout Activate SCO

■ eMIS 7, A → Allow self-checkout

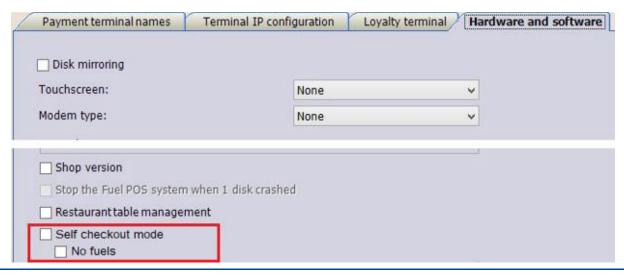


- When this option is enabled it will be possible to switch from the standard eFUI screen to the Self-Checkout screen
- Only available to service engineers

Reboot and No Fuels option

eMIS menu 7-A has new settings per POS

- To prevent the standard forecourt screen to be shown after a reboot on a POS that is running in self-checkout mode we will need to configure which POS systems need to be started-up in self-checkout mode.
- Some companies don't want their customers to pay for fuels in self-checkout mode so a new option to prevent this will also be made.



Self-checkout mode: when checked it will still be possible to switch to and from self-checkout mode. Only after a Fuel POS restart will the system be automatically switched to the self-checkout screen.

No fuels: when this option is checked it will NOT be possible to select filli ngs in self-checkout mode (the Fuel button will be disabled). The default is 'not checked' which means fuels can be selected.

Self-checkout

eMIS 6, 1

Peform random fraud checks

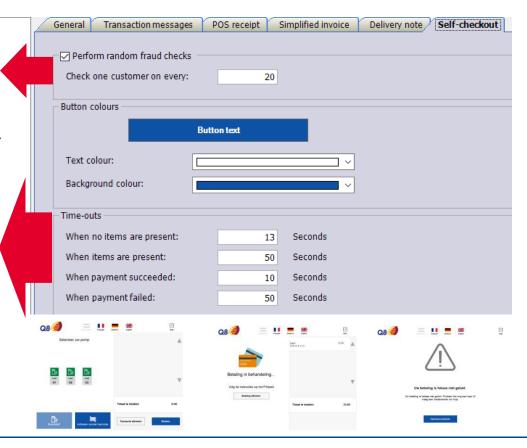
Enter a number of customers. In each range of customers one will be picked randomly for a fraud check.

Fuel POS System

Example: when one customer on every 20 will be checked the Self-Checkout application will pick a random customer in each 20 customers, so for example: customer number 6 (from 1-20), customer number 21 (from 21-40), customer number 53 (from 41-60), etc.

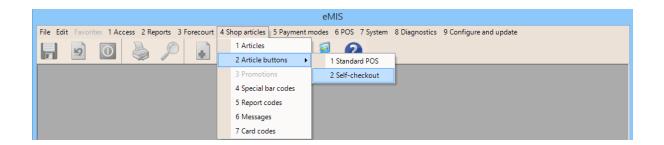
Time-outs

- 1. When no sales items are present after somebody started a new transaction.
- When sales items are present, but nothing is done for a while.
- 3. When payment was successful and the "New Transaction" button isn't clicked.
- 4. When payment fails and the error is being displayed. After the time-out the system returns to the basket, not the welcome screen. Now the "sales present" time-out will start.

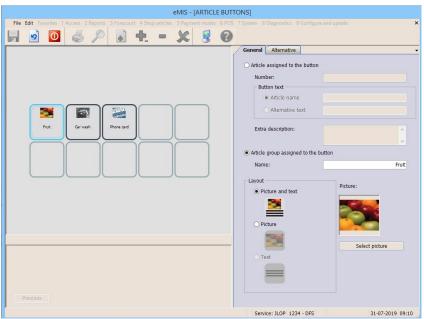


eMIS 4,2,2

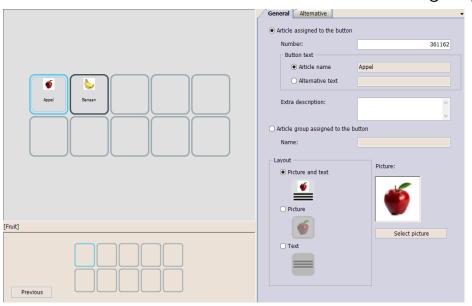
■ For Self-Checkout an additional menu item is available to program article buttons specifically for Self-Checkout. This allows the customer to select from a different set of articles than an operator.



- When this screen is opened a maximum of 10 button groups can be programmed.
- In the example screen below three groups are defined: fruit, car wash and phone card.

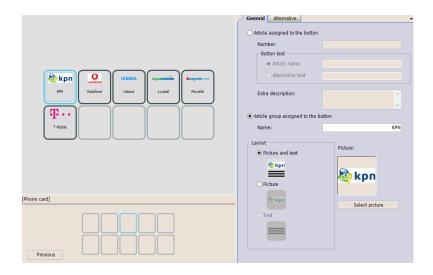


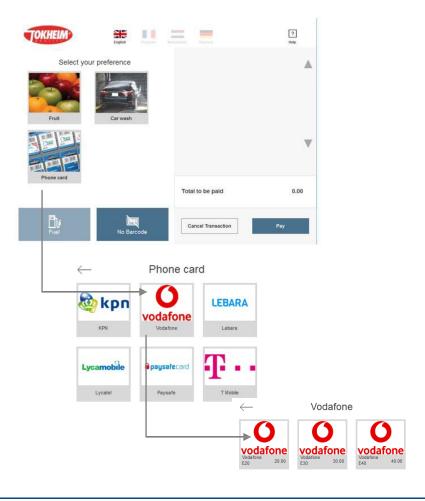
■ When a group-button is double-clicked the buttons linked to that group are shown:



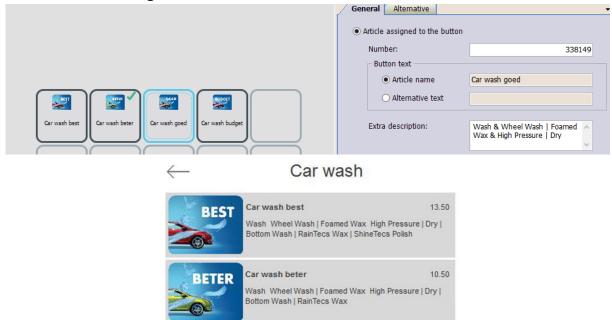
■ The example above shows some articles linked to the group "Fruit".

In contrast to standard article buttons it's possible to have a second group within the first group as shown in the following example





■ When an article is linked to a group it's possible to enter an "extra description". When this is programmed the resulting button on the Self-Checkout screen will be extra wide.



Result:

Another extra is the ability to link an alternative article to the programmed article. This will for example allow you to sell a single carwash or a subscription as the following example shows:



If the customer would select an article that contains an alternative article a pop-up would appear to allow the customer to make a selection:



The texts on the buttons and at the bottom of the popup are as programmed in eMIS.

■ The article "Car wash goed" has an alternative article "Car wash goed abon" linked to it. When the customer selects this button he will be prompted to select either a single car wash (button with text "Eenmalig" = "One time") or a subscription (button with text "Abonnement" (= "Subscription"). An extra text "5 washeurten voor de prijs van 4 (= "5 washes for the price of 4") will also be shown.

Self-checkout article configuration by Back office system

- SCO article buttons can be programmed via mutation files as well. The same KEY_MUT.nnn files are used for both 'normal' article buttons and 'self-checkout' buttons, but different sections.
 - Standard article buttons = article mutation file + article key mutation file
 - Self-checkout article buttons = article mutation file + "new" section in article key mutation file
 - [SCO_KEY_UPDATE] block
 - Description of new block can be found in SelfCheckOut_F_BackOffice.pdf

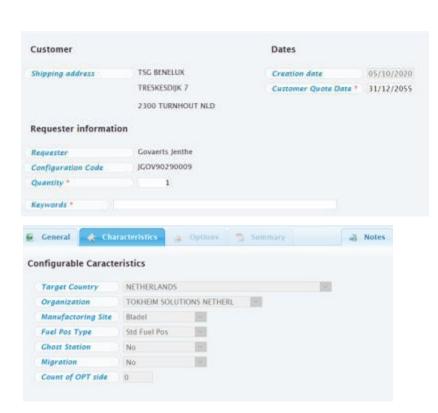
Oscar

■ To select the SCO, choose "Lines" and "New Configuration" → System → POS → SCO

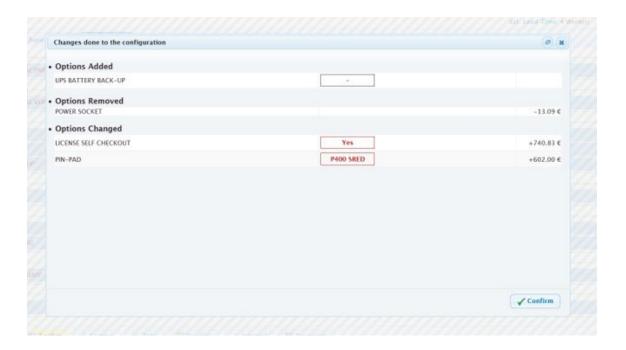


Enter quantity

- Characteristics
 - nothing to enter

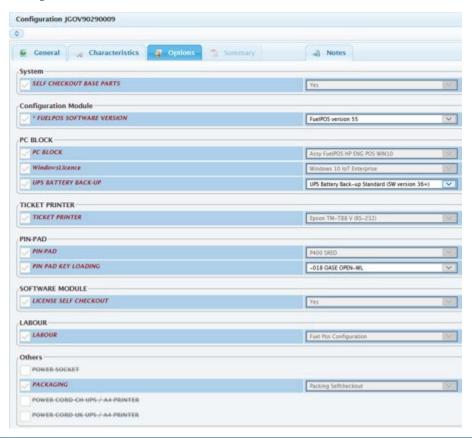


- Automatic selected:
 - License self-checkout
 - PIN-PAD



Select:

- Fuel POS version
- UPS selection (optional)
- Pinpad selection (keys)



Attention - Limitations

Self-checkout limitations

The Self-checkout user interface is adapted to keep it simple for the consumers. This means that **not** all Fuel POS advanced features are supported

Loyalty card handling

- A Loyalty scheme is enabled for a station, thus it can't be disabled per POS or self-checkout
- The self-checkout can handle the basics to read a loyalty card and indicate this in the user interface → Loyalty earn
- However each loyalty scheme has it's own unique implementations. Therefor each solution needs to be tested. In case that the flow doesn't work properly a minor Fuel POS project needs to be launched to adapt the messaging flow to work with the self-checkout user interface.

Payment terminal

- Only the Crypto IPT P400 (or Vx820) is supported

Language

- There are only 4 language buttons on the self-checkout screen. These are corresponding with the selected languages for the pinpad
- Verify if all texts are translated properly → managed via text tool
- Image of additional flags needs to be implemented in a dot release

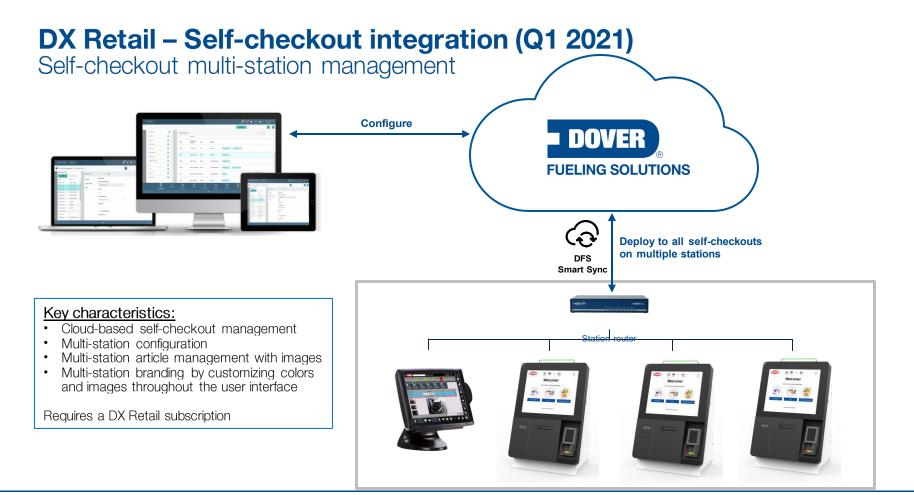
Recommendation

- Organise a self-checkout test with the customer
- This can easily be done by switching an existing cash register to self-checkout mode

Roadmap

Roadmap

- Fuel POS release 56
 - Support for two simultanious barcode scanners (to be tested)
- Fuel POS release 57
 - Glory cash machine interface (development ongoing)
- Fuel POS release 58
 - TBD
- Candidates
 - Operator assistance → Login via scanning QR code
 - Witte Kassa integration with self-checkout (Belgium)
 - Age restriction improvements
 - Transaction data reporting enhancements in RTT file → eg. trx performed in POS modus or SCO modus



Fueling the service station of the future





