

**The leader in  
self bag drop**



# Why Materna?

Materna ips has been a leading player in the aviation industry for over three decades. Our customers include airports, airlines and ground handling companies like Lufthansa, easyJet, Emirates, DNATA, Gatwick, eurowings, Hamburg Airport, John Wayne Airport, Swedavia, Oslo, Toronto, Bangalore and Vienna Airport.

Our long-term track record is your guarantee for field-proven, reliable, secure and elegantly designed solutions that simplify your passenger's journey. With our first-class software and hardware products you can offer your customers a seamless user experience from curbside to boarding. Our one-stop-shop portfolio consists of

check-in, baggage drop-off and access solutions combined with payment, biometrics and field services.

As a longstanding IATA member, we actively drive the market, contribute to the creation of new standards and are present at all the relevant hotspots for the industry.

**A great way to start a trip for your passengers.**

# Oustanding self bag drop solutions

As airports and airlines have to meet the challenges of increasing passenger numbers, stricter security and cost regulations, they have to concentrate on improving passenger handling processes.

Their common objective is to speed up check-in and baggage drop-off to reduce waiting times at those touch points. Materna ips offers self-service solutions for optimized passenger convenience and has been delivering automated baggage drop-off

systems based on modern technology for about 15 years.

Depending on the specific solution and whether a one-or two-step process is offered, process times for self-service bag-drop have been reduced to just a few seconds.

Where passengers had to stand in line in the past, they can now use simple and intuitive systems to just scan their bag tags and drop off their luggage.



## Multiple options - one unique user experience

With our quick and easy-to-use self bag drop solutions, we deliver modular and customizable systems to airlines, airports and ground handlers. As a pioneer in self-service solutions we continuously improve our products which provide both one-step and two-step processes for self-service bag-drop. You can choose your individual greenfield or retrofit solution for a perfect fit.

All Materna IPS bag drop solutions are compliant to the appropriate IATA Standards

as IATA RP 1706c (CUSS) and IATA RP 1701c (Self Bag Drop, Check-in) and support multiple airline Departure Control Systems (DCS).

- Quick and easy to use
- Short queuing times
- Process time reduction down to 10 seconds
- A single floor walker can handle multiple bag drop units
- Intuitive applications
- Integration into existing infrastructure
- Biometric data identification
- Payment integration

# Common Use Self-Service

Our self bag drop systems are based on the international Common Use Self-Service (CUSS) standard. This allows airlines to deploy their own applications on self bag drop equipment around the world without having to redevelop or adapt them each time. First, the passenger selects the airline on the screen and scans his boarding pass. The baggage is then placed in the marked area on the conveyor, where it is automatically measured and weighed. After that the kiosk prints the

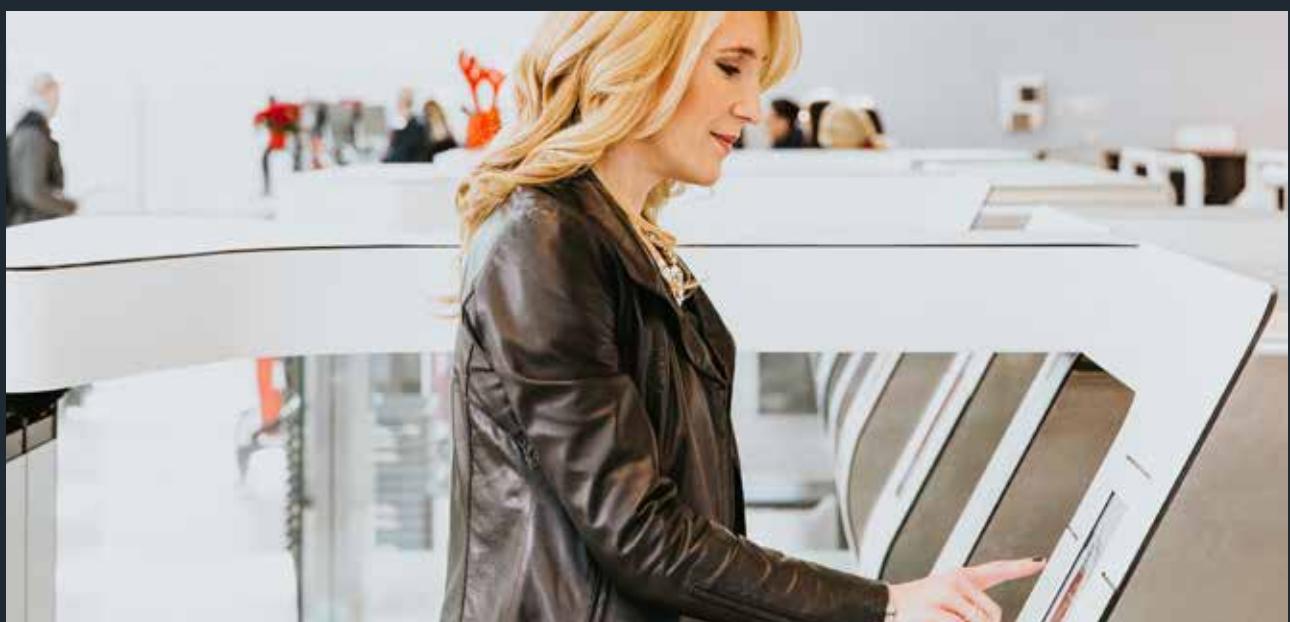
baggage tag with the barcode to be affixed to the baggage. This just needs to be confirmed on the screen, and the baggage receipt is issued. Baggage cannot be transported onward on the conveyor belt until it is correctly labelled. Scanners identify errors or misuse of the kiosk immediately. Materna systems for self bag drop provide either standstill scanning or scanning on the move depending on the model. If required, we can add features such as baggage classification.

## System monitoring

To give airports a better overview of traffic numbers, maintenance requirements, failures, downtime and peak loads, we have developed a tool that can monitor and analyse the performance of their applications down to single transaction level and show them in an intuitive dashboard-based control centre. Alternatively, you can completely outsource all those tasks to Materna, who can help you manage and administer data, monitor and analyse the performance of applications and transactions, and take care of on-site customer liaison and support. More precisely, its cloud-based data centre can host and

monitor your applications 24/7 and enables Materna's service team to take care of all your equipment out in the field.

We have also added a new floorwalker and service agent app to our portfolio, which offers a service for notifications, control and communication. Agents always have an overview of all kiosks and stations. Through Android or iOS smartphones or tablets, agents receive direct notifications when there are calls for help and for simple kiosk administration tasks.



# Greenfield solutions

## Pax.Go series

Airlines and airports have to offer the best service and comfort to their passengers, but at the same time, have to save costs to stay competitive. As terminal space is limited, airports have to find options for smooth and quick passenger handling. With self-service solutions, they can speed-up certain processes such as check-in and baggage drop-off. Whenever airports refurbish or build new departure terminals, they can choose from our kiosk solutions to suit their individual needs.

Our Pax.Go solutions are a series of kiosk versions to meet individual airport requirements.

Pax.Go kiosks are solid and robust systems to handle both check-in or self bag drop. The kiosks have an elegant design and fulfill the highest technology standards. Pax.Go is available with a completely customizable range of color schemes.

With optimized, integrated printing, scanning and reading modules, the kiosk is an industry grade solution for continuous operation. Several options allow tailor-made configurations for individual customer requirements.



**Pax.Go series**  
London Gatwick Airport, UK



**Pax.Go series**  
Lufthansa self bag drop, Hamburg



**Pax.Go series**  
Lufthansa self bag drop, Frankfurt



### Pax.Go

- Customizable
- Modular approach
- Small footprint
- Easy integration in the airport environment

## Choose your solution

All Materna Pax.Go kiosks provide capability for both check-in and self-bag drop and have been developed for international markets.

The new Pax.Go C solution is unique in that its modular structure supports expanded capabilities and additional devices can easily be added as requirements or business processes evolve. For many airports this will mean the future integration of devices

supporting biometric identification. The kiosk's screen size is individually selectable from 19 to 32 inches. With a flexibly adjustable screen and other features for people with disabilities, this system fully complies with the Americans with Disabilities Act (ADA) that anti-discrimination measures and barrier-free public facilities have been based on for over 25 years.

### Flexible automatic scanning options

All Pax.Go solutions can be integrated with automatic scanning modules. Customers choose the individual solution which fits best into their airport environment.

# Greenfield solutions

## Air.Go series



**Air.Go A**  
Toronto Pearson Airport T3, Canada



**Air.Go B**  
Toronto Pearson Airport T1, Canada



**Air.Go C**  
Bengaluru Airport, India

The Air.Go series are innovative self-service bag drop solutions for airports and airlines. Following our modular approach, they are available as one-or two-step solutions, with single or double units, front or side loading capability and automated bag tag identification.

They are designed either as modular wall-mounted or freestanding systems for easy customization and integration. Components like scanners, printers, sensors, etc. can

easily be customized to fit your airport's requirements. Designed by our Danish Design Company Marcus Pedersen, the Air.Go systems have been awarded with the German Design Award for their excellent product design. This solution provides an easy-to-use touch screen with an intuitive menu as well as optional printing devices. Air.Go offers standstill scanning or scanning on the move depending on the model.

# Air.Go models



**Air.Go A**

- Wall-mounted
- 2-step solution only
- Front loading



**Air.Go B**

- Freestanding
- 2-step solution only
- Side loading



**Air.Go C**

- Freestanding
- 1- and 2-step solution only
- Side loading

Features	Air.Go A	Air.Go B	Air.Go C
<b>Auto Scanner</b>	✓	✓	✓
<b>Full Page Scanner</b>	✓	✓	✓
<b>Bag Tag Printer</b>	-	-	✓
<b>Boarding Pass Printer</b>	-	-	✓
<b>Receipt Printer</b>	-	-	✓
<b>Card Reader</b>	-	-	○
<b>Payment</b>	-	-	○
<b>1-Step</b>	-	-	✓
<b>2-Step</b>	✓	✓	✓
<b>Hybrid</b>	✓	✓	✓
<b>ADA Compliance</b>	✓	✓	✓
<b>3D Baggage Classification</b>	○	○	○
<b>Biometrics</b>	○	○	○

✓ = Included

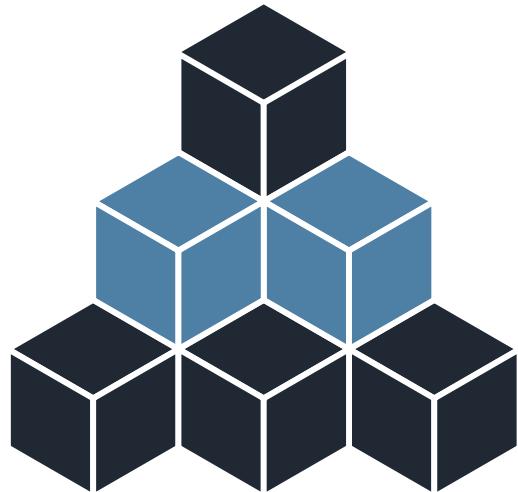
- = Not included

○ = Optional

# Greenfield solutions

## Our modular construction system

To ensure the best fit for the terminal environment, we offer different peripherals and individual product add-ons based on a modular construction approach. The systems can be installed in a row or as an island to give passengers the utmost comfort and flexibility and, on the other hand, to make the best use of the space available, and to fill gaps between single units. The Air.Go series and their peripherals such as counters, glass doors or tub dispensers provide an elegant design to create an individual baggage drop-off area in the terminal.



Counter



Tub Dispenser

- Glass doors
- Service stations
- Maintenance and storage desks
- Wheel desks

Others

Tub dispensers or counters for hybrid operation, maintenance or storage of paper can easily be integrated between the Air.Go units. This creates a consistent design with multiple functionalities.



Tag.Go



#### Tag.Go

- Customizable
- Option for mobile use
- Small footprint
- Easy integration in the airport environment

## 2-step solution Tag.Go series

More and more passengers check in from their smartphone or computer before arriving at the airport. Tag.Go is designed to make the bag drop process even easier and faster for these passengers. The kiosk is simpler to use than traditional check-in kiosks; passengers simply scan their boarding pass and print the bag tag(s). The hardware solution (scanners and printers) can be customised to fit the airport's needs.

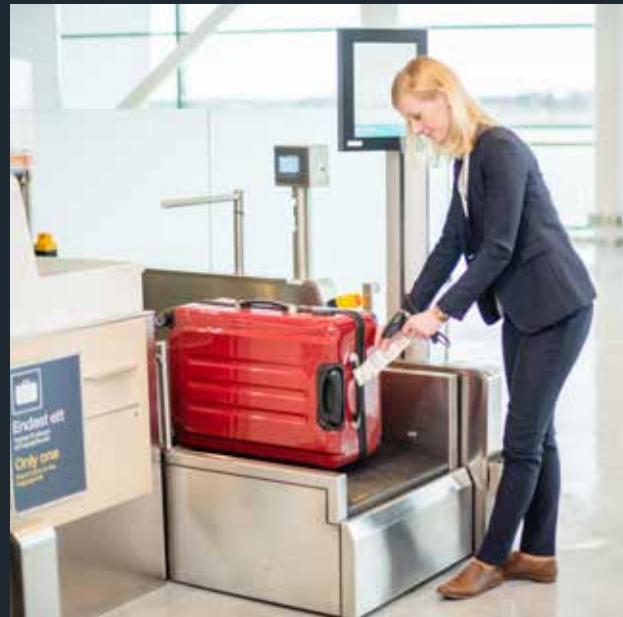
The elegant and user-friendly design matches our Air.Go bag drop series, and when installed together they ensure a consistent design line throughout the check-in area.

It is possible to integrate storage space for bag tag rolls and a waste bin for e.g. paper from bag tags.

Tag.Go is designed and manufactured in Denmark by Marcus Pedersen.

# Retrofit solutions

## Drop.Go series



**Drop.Go A**  
Swedavia Stockholm-Arlanda, Sweden



**Drop.Go B**  
Vienna International Airport, Austria

The Drop.Go series provides freestanding self-service bag drop systems for quick and easy one- or two-step processes with optional printing. The solutions can be simply mounted and integrated in existing check-in counters without any changes to hardware installations. For a typical retrofit solution, passengers have already printed out their bag tag at a check-in



**Drop.Go C**  
Toronto Pearson Airport, Canada

kiosk or the Materna Tag.Go when they use the drop-off unit. With these self bag drop versions, passengers just make a few clicks on the intuitive menu, scan their bag tags and the luggage is ready to go. Installation upgrading protects your infrastructure investments and helps your airport develop and adapt to traffic and passenger requirements.

# Retrofit solutions

## Drop.Go series



Drop.Go A



Drop.Go B

- Small footprint
- Easy assembly
- 2-step solution



Drop.Go C

- Counter-mounted
- Intuitive use
- 2-step solution

- Easy integration
- Bag tag
- 1-/2-step solution

Features	Drop.Go A	Drop.Go B	Drop.Go C
<b>Full Page Scanner</b>	—	—	—
<b>Handheld Scanner</b>	✓	✓	✓
<b>Bag Tag Printer</b>	—	✓	—
<b>Boarding Pass Printer</b>	—	✓	—
<b>Receipt Printer</b>	—	✓	—
<b>Payment</b>	—	○	—
<b>1-Step</b>	—	✓	—
<b>2-Step</b>	✓	✓	✓
<b>Hybrid</b>	✓	✓	✓

✓ = Included  
 — = Not included  
 ○ = Optional

# Facts

**> 150,000**  
OUR BAG DROPS  
WORLDWIDE  
PER DAY

**> 300,000**  
CHECK-INS  
PER DAY

**> 75**  
AIRPORTS

**>800**  
INSTALLATIONS

**19.1 secs**  
CHECK-IN-  
WORLD  
RECORD

**Every 0.58 secs**  
A PASSENGER  
DROPS  
A BAG USING  
MATERNA

**340 hours/day**  
AMAZING  
WAITING-TIME  
SAVINGS

**3 x less space**  
MASSIVE  
AMOUNT  
OF AIRPORT  
SPACE SAVED

**50 %**  
INTEGRATION  
OF THE WORLD'S  
TOP 20 AIRLINES



# Already simplified!



Bengaluru



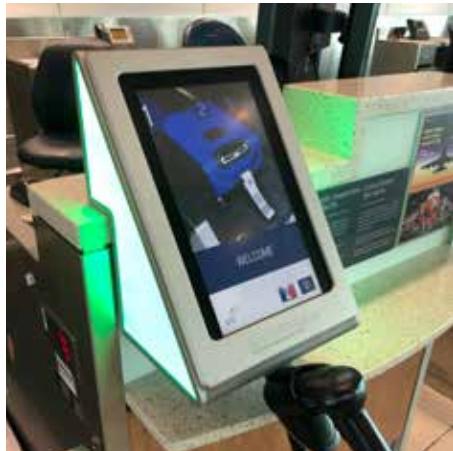
Athens



Oslo



Lufthansa



Toronto



Hamburg



Swedavia



Gatwick



Toronto

## Contact us

Materna ips is part of the Materna group, a global IT service provider founded in 1980, which currently employs approximately 2,100 staff.

### **Headquarters**

Materna Information & Communications SE  
Vosskuhle 37  
44141 Dortmund  
Germany

Materna Information & Communications Norway AS  
Kanalveien 18  
2004 Lillestrøm  
Norway

Materna Information & Communications Corp.  
5323 Millenia Lakes Blvd.  
Suite 300  
Orlando FL 32839  
USA

Materna Communications PLC  
Boston House, Boston Road  
Henley-on-Thames  
Oxfordshire RG9 1DY  
Great Britain

Materna Information & Communications Inc.  
40 University Ave  
Suite 904  
Toronto Ontario M5J 1T1  
Canada

Materna Information & Communications India Pvt. Ltd.  
RMZ North Star  
CoWrks, 2nd floor  
Yelahanka, Bengaluru 560064  
Karnataka, India

For more information:  
[www.materna-ips.com](http://www.materna-ips.com)