HUSSMANN

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LOCKERS

CONTACTLESS DELIVERY SOLUTION
Refrigerated and Heated Smart Lockers

3   LOCKERS

EXECUTIVE SUMMARY

What is Contactless Delivery Solution?

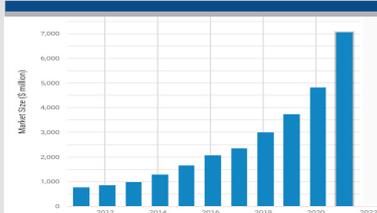Contactless Delivery Solution is modulized-design Smartlocker which has four-temperature options (ambient/chiller/freezer/heated unit). It reduces operational costs for store owners by utilizing centralized delivery points.

It also provides customers with a contactless, safe, and flexible way to order and receive a wide range of products, such as groceries, medicines, and meals on a self-serve basis with 24/7 access.

KEY MARKET TRENDS

Australia Market Size Growth

46.2% Online Grocery Sales growth in Australia marketing in 2021 and the demand of Click & Collect is growing.
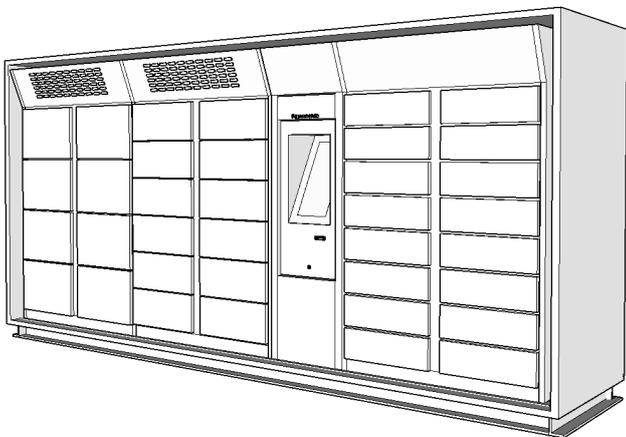
Technology

Using technology and automation(like Takeoff) to complement and provide competitive advantage to existing supermarket supply chains is a critical upcoming
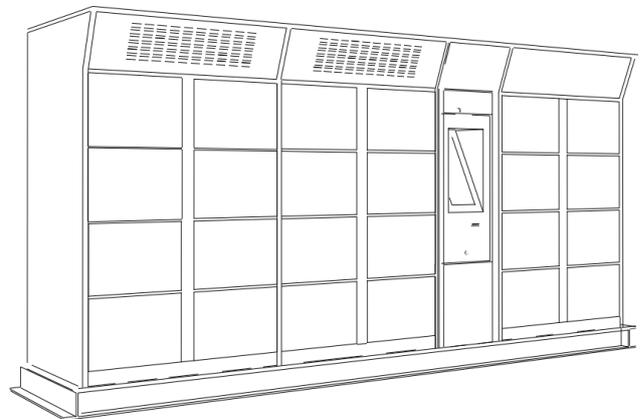
Last mile delivery sustainably

The need to fulfil last-mile delivery is not just about a competitive offer. It is also about meeting customer expectations, visibility, control, and growing volume while delivering sustainable

OPTION A : INDOOR LOCKER

Additional Framework	No
Electrical Dissipator Tray	Yes
Suitable for	Indoor
	Carpark
VIP (Vacuum Insulated Panels)	Yes

OPTION B : OUTDOOR LOCKER

Additional Framework	Yes
Electrical Dissipator Tray	No
Suitable for	Outside of Store
VIP (Vacuum Insulated Panels)	Yes
Weather Resistance	Yes

3 ANALYTICS:

COMPONENTS & SPECIFICATIONS

AMBIENT

We will use Panasonic CO2 compressors to provide natural refrigeration for CoolClick and Solar panels to reduce electricity usage

CHILLED

We will use Panasonic CO2 compressors to provide natural refrigeration for CoolClick and Solar panels to reduce electricity usage

FROZEN

We will use Panasonic CO2 compressors to provide natural refrigeration for CoolClick and Solar panels to reduce electricity usage

HEATED

We will use Panasonic CO2 compressors to provide natural refrigeration for CoolClick and Solar panels to reduce electricity usage

ANALYTICS: COMPONENTS & SPECIFICATIONS
PROPOSED INSIGHTS

FOOD RETAILER / RESTAURANT

> More delivery options
> Lower delivery cost
> Enhance customer experience
> Maximiaze ROI
> Lower TCO
> Maximize restaurant off-premise sales•Minimize people contact

E-COMMERCE END USER

> Contactless pickup
> Ensure food safety
> Guarantee food freshness
> Low cost delivery
> More pickup locations

CONSUMER PACKAGED GOODS

> Brand marketing value
> Customizable painting
> On demand advertisement

CARRIER / 3PLS

> Contactless centralized delivery
> Improve labor efficiency
> Optimize employee assignment

APARTMENTS

HOSPITALS

RESTAURANTS

RESIDENTIAL COMMUNITIES

TRAIN STORES

FAST FOOD RETAILERS

GAS STATIONS

OFFICE BUILDINGS

GROCERY STORES

CAMPUSES

SHOPPING CENTERS

ANALYTICS: COMPONENTS & SPECIFICATIONS
KEY FEATURES & DIMENSIONS

KEY FEATURES:

☀ Weather
Compliant to outdoor/indoor conditions & temperatures

⚙ Security
CCTV surveillance camera integration

▦ Content
Advertisement video when screen idle

▣ Sizing
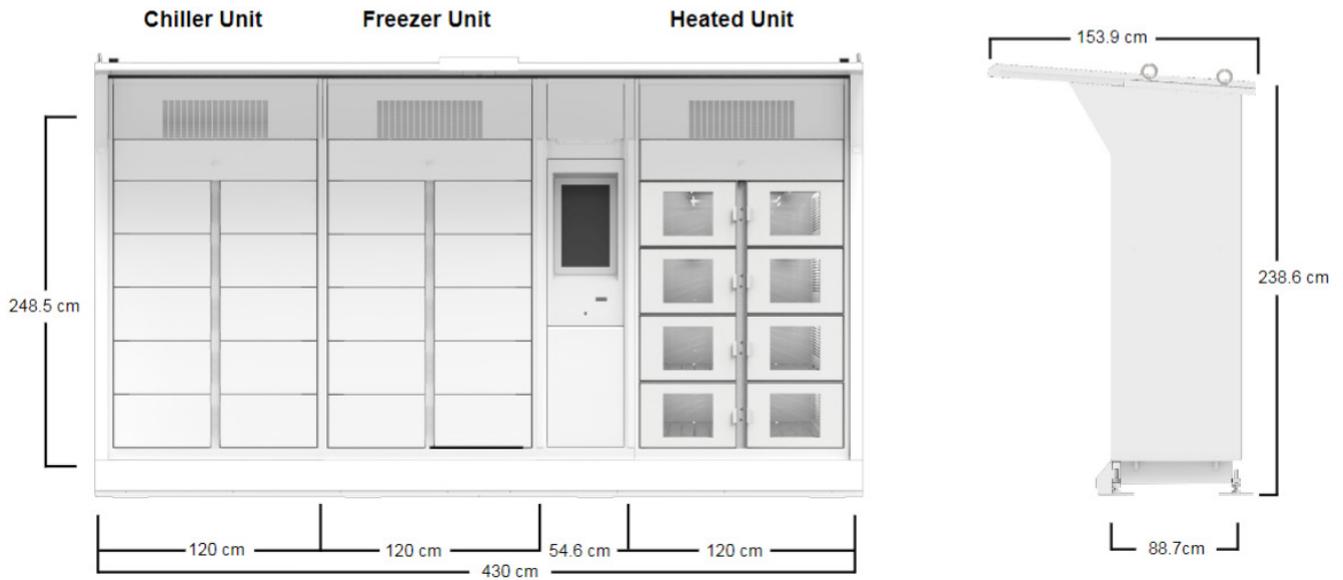Various configurable compartment sizes available

◔ Scalability
Various scalable size and options available

Weather Awning
Night Lighting (LED)
Maintenance Door Lock
Cooling System Maintenance Door
Locker Door
LED Indicator (Lock Status)
Door Handle

Monitor Camera
Touch Screen
Barcode Scanner
Main Control Door Lock

ANALYTICS: COMPONENTS & SPECIFICATIONS
KEY FEATURES & DIMENSIONS

DIMENSIONS:

Chiller Unit   Freezer Unit   Heated Unit

248.5 cm

120 cm   120 cm   54.6 cm   120 cm

430 cm

153.9 cm

238.6 cm

88.7cm

	PRESERVE THE MEAL TEMPERATURE & FRESHNESS	
	AUTOMATIC CLOSE DOOR DESIGN	
	ERGONOMIC DESIGN	
	REDUCE ENERGY CONSUMPTION	

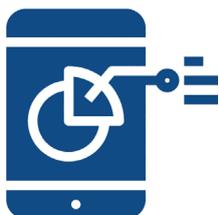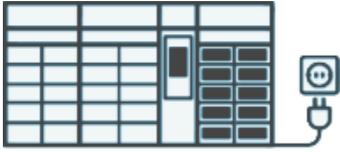|		
	ANITBACTERIAL PAINT TO ENSURE FOOD SAFETY	
	DOOR STATUS LED INDICATOR	
	PRECISE TEMPERATURE CONTROL	
	INTELLIGENT INTERACTIONS	

3 DESIGN:

OPTIONS & VERSIONS

FLEXIBLILTY

Panasonic offers uninterrupted cold chain end-to-end solutions from "Farm" to "Table". The solutions collect each point data from Farm, Logistic, Warehouse, Retailer to Home. Through big data and AI analysis, its platform provides real-time food safety monitoring to reduce food waste and loss. Moreover, it helps customers to optimize logistics and operations. Panasonic's wide-ranging technology and product lineup enhance customer experience and support a variety of verticals on digitalized IoT transformation.

OPTIONS & VERSIONS
FUTURE PROOF DESIGNS

STANDALONE VERSION
- Future Scalability

> Plug & Operate

> Generic UI

> Effortless delivery/pick-up userexperience

> Advertisement video at idle

> Urgency Assistance

> Temperature and operation logging

NO E-COMMERCE PLATFORM NEEDED

NO SYSTEM INTEGRATION NEEDED

NO IT INVOLVEMENT

FUTURE SCALABILITY

CLOUD VERSION

> Customizable UI/UX design

> Seamless integration withe-Commerce systems

> LAN /Wi-Fi 3G/4G Connection

> Back office locker management

> Cloud Agnostic Architecture

> Data encryption for security

> Temperature Monitoring andAlarming

> Built-in self-diagnostics tool/Remote troubleshoot

EASY INTERGRATION WITH E-COMMERCE PLATFORM

SEAMLESS UPGRADE TO CLOUD BASED VERSION

NO HARDWARE CHANGE NEEDED

REMOTE MONITORING

OPTIONS & VERSIONS
FUTURE PROOF DESIGNS

MODULAR DESIGN

- Indepedent temperature control for ambient, chiller, freezer, and heated units.
- Expandable with different temperature units

6 DOOR UNIT   **8 DOOR UNIT**   **10 DOOR UNIT**   **12 DOOR UNIT**

8 DOOR UNIT   **12 DOOR UNIT**   **CONTROLLER UNIT**

THANK YOU!

for your business

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