

# Industry Segments Served

Parking  
technology **HUB**



# DATAPARK Equipment Range



Lane Entry and Exit Stations



Automated Pay Stations



EMV-ready



HUB Barrier



Validator and Encoding Stations





## Lane Stations

- Barcode tickets
- 'Print on the Fly'
- Preprinted Barcode
- LPR Compatible
- External Barcode Scanner





## Automated Pay Station

- Programmable & Animation Display
- Chip & PIN / Wave & Pay
- External barcode scanner
- Pay-on-Foot or Pay-in-Lane
- Will accept CoMo Park Card





# Tile-Based User Interface

## Main Dashboard

- JMS is the **first tile-based** management system in the parking industry: it's extremely intuitive and user friendly.
- All front-end functionalities can be accessed directly from the main dashboard, enhancing efficiency and ease of use.
- By clicking on the tile, the user gets to a deeper level of information and can get back quickly and easily in the same way.
- All alarms and notifications can be seen instantaneously and constantly (they are located in the function bar), allowing an immediate action.

The screenshot displays the JMS Main Dashboard. At the top, a dark blue navigation bar contains the JMS logo, a home icon, and the text 'JMS home'. On the right side of this bar, there are status indicators: 'Disconnected: failed t...', 'Notifications 13', 'Alarms 20', and a 'faac' icon. Below the navigation bar, the dashboard is organized into five main categories, each with a grid of functional tiles:

- Monitoring (Green):** Includes tiles for 'Monitoring', 'Occupancy', 'Video stream', 'Requests', 'JA-000 LPI', 'Parking', and 'Geo'.
- Data analysis (Light Green):** Includes tiles for 'Create Report', 'Repository', and 'dashboard gate'.
- Configuration (Blue):** Includes tiles for 'Contracts', 'Subscription', 'Tariffs', 'Media types', 'Tariff Profiles', 'Customers', and 'Business contract'.
- System (Orange):** Includes tiles for 'Ms conf.', 'Identity provider', 'UI preferences', 'Notifications', 'User detail', 'Users managemc.', 'Mobile configuration', and 'Log'.
- Digital signage (Red):** Includes tiles for 'Home', 'Channels', 'Programs', 'Targets', 'Uploads', and 'Groups'.

At the bottom left of the dashboard, the text 'JMS Beta Web Client 1.1.0-SNAPSHOT' is visible. At the bottom right, there are icons for a search and a refresh function.

# Monitor Lane Devices

## Device Detail

JMS' GUI allows the complete view and monitoring of all standard activities that a parking manager should analyze for each specific device and peripheral.

**JMS** Disconnected: failed\_to... Notifications 13 Alarms 0 faac

Device detail

DATAPARK • datapark • Parking Company - Italy laboratory • Garage • Parking Area

**Info**

- Id: 23
- Name: Entry lane #1
- Type: ticket dispenser
- Status: in\_service
- Identifier: r1
- Ms: janus
- Description: Zebra T.D.
- Last Ticket: 148

Status Video

**Operations**

Date and time	Detail
22/03/2014 12:29:34	completed Close gate arm 67
22/03/2014 11:29:26	Close gate arm
22/03/2014 12:29:17	completed Open gate arm 69
22/03/2014 11:29:07	Open gate arm
22/03/2014 11:36:39	valid successful_entry
22/03/2014 11:27:54	valid successful_entry
22/03/2014 11:23:52	valid successful_entry

**Actions**

- Set rate
- Set ticket dispenser mode
- Set arming loop
- Set gate mode
- Close gate arm
- Open gate arm
- Restart device

**Launched Actions**

Date and time	Name	Status
No item		

**Sub-devices**

No item

**Messages**

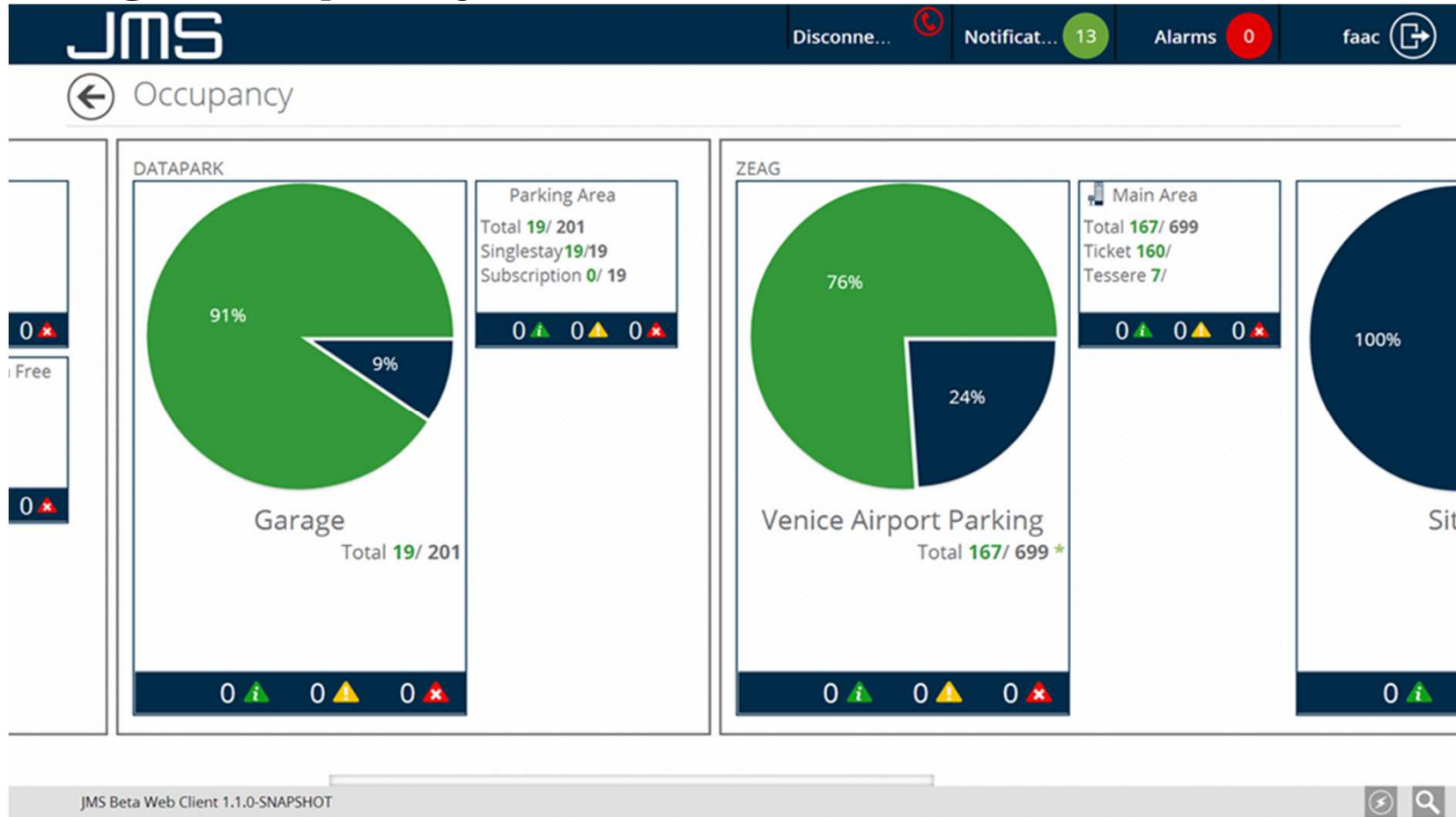
Date and time	Message
18/12/2014 13:26	input #3 activated at undefined lane 1
18/12/2014 13:24	input #1 deactivated at undefined lane 1
18/12/2014 13:23	input #3 activated at undefined lane 1
18/12/2014 13:23	input #3 deactivated at undefined lane 1
18/12/2014 13:23	input #3 activated at undefined lane 1
18/12/2014 13:23	input #3 deactivated at undefined lane 1
18/12/2014 13:23	input #3 activated at undefined lane 1
18/12/2014 13:23	input #3 deactivated at undefined lane 1

**Alarms**

Date and time	Message
22/03/2014 12:40:03	Manual gate as undefined lane 1
22/03/2014 12:39:48	Manual gate as undefined lane 1
22/03/2014 11:40:08	Manual gate as undefined lane 1
22/03/2014 11:40:08	Manual gate as undefined lane 1
22/03/2014 11:40:08	Manual gate as undefined lane 1
22/03/2014 11:47:46	Manual gate as undefined lane 1
22/03/2014 11:43:08	Manual gate as undefined lane 1

JMS Web Client 1.1.0 (SAP/MS)

# Parking Occupancy Multi Tile View



# Reporting and Dashboards

Scalable Reporting Capabilities:  
from Standard reporting...

Alarm Type	Status	Message	Date/Time
alarm	alarm	Board #1 is long time OFFLINE.	17032014 05.02
alarm	alarm	Gate broken vehicle pass backward on datapark_Entry lane 1	17032014 05.30
alarm	alarm	Gate broken vehicle pass backward on datapark_Entry lane 1	17032014 05.34
alarm	alarm	Lost communication at datapark_Entry lane 1 1395069179	17032014 05.12
alarm	alarm	Lost communication at datapark_Entry lane 1 1395071049	17032014 05.44
alarm	alarm	Lost communication at datapark_Entry lane 1 1395071165	17032014 05.46
alarm	alarm	Lost communication at datapark_Entry lane 1 1395131901	18032014 10.38
alarm	alarm	Lost communication at datapark_Entry lane 1 1395134264	18032014 11.17
alarm	alarm	Lost communication at datapark_Entry lane 1 1395138954	18032014 12.35
alarm	alarm	Lost communication at datapark_Entry lane 1 1395141893	18032014 01.24
alarm	alarm	Lost communication at datapark_Entry lane 1 1395141937	18032014 01.25
alarm	alarm	Lost communication at datapark_Entry lane 1 1395143939	18032014 01.58
alarm	alarm	Lost communication at datapark_Entry lane 1 1395215302	19032014 09.48
alarm	alarm	Lost communication at datapark_Entry lane 1 1395329637	20032014 05.33
alarm	alarm	Manual gate up datapark_Entry lane 1	17032014 04.23
alarm	alarm	Manual gate up datapark_Entry lane 1	17032014 04.24
alarm	alarm	Manual gate up datapark_Entry lane 1	17032014 04.24
alarm	alarm	Manual gate up datapark_Entry lane 1	17032014 04.24
alarm	alarm	Manual gate up datapark_Entry lane 1	17032014 04.24
alarm	alarm	Manual gate up datapark_Entry lane 1	17032014 05.10
alarm	alarm	Manual gate up datapark_Entry lane 1	17032014 05.13





# Reporting and Dashboards

...to enhanced Business Intelligence based on a complete integration with Tableau Server which makes it easy for multi-car-park operators to access and report on the large volume of data that is collected from all of the organization's facilities.

The screenshot displays the JMS Beta Web Client interface. At the top, there's a navigation bar with the JMS logo, a 'Dashboard gate' button, and status indicators for 'Disconne...', 'Notificat...' (13), and 'Alarms' (0). A user profile 'faac' is also visible.

The main content area is divided into several sections:

- Views:** A sidebar menu with options for 'Occupancy', 'Finance' (highlighted), 'Messages', and 'Operations'.
- Revenue by payment type:** A table showing transaction data for various dates in March 2014.
 

Day of local d.	card_type	media_type	payment_ty...	Transactions	Amount
22 marzo 2014	transact_parking	magnetic_card	credit_card	3	€ 342,00
			cash	8	€ 26,00
23 marzo 2014	transact_parking	barcode	credit_card	16	€ 18,00
			cash	12	€ 18,50
			magnetic_card	1	€ 89,00
			cash	6	€ 36,00
			unknown	3	€ 90,00
19 marzo 2014	transact_parking	magnetic_card	credit_card	34	€ 133,00
			cash	10	€ 5,00
18 marzo 2014	transact_parking	barcode	cash	2	€ 9,00
- Amounts/Transactions by Device:** A horizontal bar chart showing revenue and transaction counts for different devices and areas.
 

Day of local d.	area_na	device_name	Amounts	Transactions
22 marzo 2014	Parking Area	Pay Station #11	€ 26,00	7
		Exit lane #2	€ 342,00	4
21 marzo 2014	Area 1	Cassa Server	€ 4,50	3
		APS-Par/Quit	€ 33,00	25
	Parking Area	Pay Station #11	€ 126,00	6
		Exit lane #2	€ 89,00	4
19 marzo 2014	Main Area	Automatic paystation wt	€ 37,00	16
		Exit Station	€ 51,00	28
	Parking Area	Pay Station #11	€ 25,00	1
		Exit lane #2	€ 25,00	1
18 marzo 2014	Area 1	Cassa Server	€ 25,00	16
	Main Area	Automatic paystation wt	€ 55,00	7
		Exit Station	€ 0,00	3
- Payment Type:** A pie chart showing the distribution of payment methods:
 

Payment Type	Amount
credit_card	€ 187,00
cash	€ 229,50
value_card	€ 27,00

On the right side, there are filters for 'Selected culture' (English), 'Date from' (01/01/2014), 'Date to' (30/04/2014), 'Company' (BRU/SUTH (Zeag), Parking Company - Italy, Park/Quit-Test), and 'Area' (Garage, Parking Benini, Zola Pre-..., Vehicle Airport Parking).

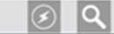
The footer of the dashboard shows 'JMS Beta Web Client 1.1.0-SNAPSHOT' and a search icon.

# Video and Audio Feed

- Remote control with video and audio feed.
- Easy to integrate JMS with other systems such as LPR, PBX, video stream

The screenshot displays the JMS (JMS Hub) interface. At the top, there is a navigation bar with the JMS logo, a 'Disconnect...' button, a 'Notification...' button with a '0' indicator, an 'Alarms' button with a '20' indicator, and a 'HubParking' button with a location icon. Below this is a 'Device detail' section with a back arrow. The main content area is divided into several panels:

- Info Panel:** Displays details for a device with ID 50, Name 'Ticket Dispenser', Type 'Entry station', Status 'in\_service', Identifier '1.1.1.0.65795', Ms 'parkplus', Description 'TicketDispenser', and Last Ticket '30756078073903112800...'.
- Operations Panel:** A table showing a list of operations with columns for 'Date and time' and 'Detail'. The operations include 'valid successfull\_entry' and 'valid card\_validation'.
- Messages Panel:** A table showing a list of messages with columns for 'Date and ..' and 'Message'. The messages include 'Ticket 3075607807390311280001 emitted', 'Reset on input 1', 'Reset on input 5', 'Alarm on input 1', 'Alarm on input 5', and 'Ticket 3075606357490311270001 emitted'.
- Alarms Panel:** A table showing a list of alarms with columns for 'Date and time' and 'Alarm'. The alarms include 'Gate breach in entrance' and 'ParQubeTojms version (VERSION,string). Localization active!'.
- Video Panel:** A live video feed showing a parking area with several ticket dispensers and barriers.
- Actions Panel:** A list of actions such as 'Barrier Reset Behavior', 'Barrier Permanent O', 'Barrier Permanent C', and 'Barrier Opening; With'.



# Mobile Management

