

SWARCO
OMNIA 3.26.0 Ver.2
RELEASES NOTES



Title: **Releases Notes Omnia 3.26.0**
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1 About this document

1.1 Purpose of this document

This document describes the release notes for the following software:

- **Product:** Omnia
- **SW Versions:** 3.26

1.2 Intended Audience

This document is intended to be used for distribution.

1.3 References

Author(s)	Marzia Selmo
Verified	Giuseppe Caramazza
Distribution List	
File Name	Release Notes_Omnia 3.26

1.4 Versions

Version	Date	Description	Author(s)
01	2021-09-30	draft	Marzia Selmo
02	2021-11-11	QA/QC	Giuseppe Caramazza

1.5 References

Ref.	Title / Publisher / Url	Version
[1]		
[2]		
[3]		

1.6 Abbreviations and Acronyms

Abbreviation	Description

1.7 Template Version History

Version	Date	Description	Author(s)
01	2017-09-05	First Emission	Valentino Giovanni Massimo Veneziano

2 Software Release Description

The current software release is described respectively by:

- Releases content – change log
- Release notes – summary

for the following Omnia releases:

Omnia 3.26.0 – major release

Omnia 3.24 Errata Corrige – minor release

3 Major release 3.26.0 Content - Log

3.1 Major release 3.26.0 New

The following features have been fixed for the Omnia release 3.26.0 (fix version).

Issue key	Issue type	Summary
C1328S-19	Feature	ARPAV Adapter: extension for weather forecast integration
C1233-1488	Feature	Asset Monitor: asset localization on the map
C1233-1332	Feature	Asset Monitor: provided Excel export functionality + restore project (error missing dlls)
C1233-1328	Feature	Dynamic Content Manager: removed dependency on Redis to allow the deploy in Systems with few resources
C1233-810	Feature	EAMS GIS Adapter: GIS and Omnia assets alignment implemented
C1233-1228	Feature	EAMS GIS Adapter: only one „Asset Creation“ request possible for each asset
C1384-1	Feature	Elastic Adapter: elastic protocol integration for event management implemented
C1233-1521	Feature	Electronic Sign Panel: font name and font size default value presented in the drop list for text virtual units.
C1328S-32	Feature	Electronic Signs Dynamic Content Manager: Network Path object type now supported
C1328S-22	Feature	Event panel: possibility to add location details when selecting coordinates
C1233-1483	Feature	Map View: displayed on the map category 1 Service Requests that are not linked to an asset
C1233-1511	Feature	Map View: added possibility to change coordinates of asset from cluster
C1233-1561	Feature	Map View: filtering options added for Events layer
C1328S-5	Feature	Map View: Parking Signs – data read from SIRI (terminus departure time) and parking spaces countdown + departure time sent to parking VMS
C1328S-4	Feature	Map View: Parking Signs – parking camera free spaces + departure time read and sent to parking VMS
C1328S-6	Feature	Map View: Parking Signs – time data read from SIRI (terminus departure and opposite terminus arrival time) and sent to Omnia
C1233-1502	Feature	Map View: removed from cluster popup asset tabs with no assets to present.

Issue key	Issue type	Summary
C1233-1370	Feature	Map View: Service Request details window (Service Request Overview application) opened from the SR icon on map
C1233-839	Feature	Map View: shown the service requests layer provided by IBM Maximo System
C1424-4	Feature	Mapem Editor: node XY, representation format optimization
C1424-3	Feature	Mapem Editor: shared with and lane type are editable
C1424-2	Feature	Mapem Editor: turning point editor improvements
C1233-1294	Feature	Notification Widget: notification presentation (pull version)
C1233-1500	Feature	Omnia API: support Mission management for ISU operators
C1347-10	Feature	Omnia API: V3 VMS Visualized Status (Datex II): "not Datex II" icons support added
C1347-11	Feature	Omnia API: V3 VMS Visualized Status (Datex II): used UTC format instead of Local Time for date time field
C1347-8	Feature	Omnia API: V4 Extended Object status information including LastUpdatedTime and StatusTime
C1233-943	Feature	Omnia Server: alarms forwarding to Service Request Fault Adapter for EAMS integration
C1233-1490	Feature	QPRO Adapter: imported ROO and TDP planned event form QPRO
C1233-794	Feature	Service Request Adapter: EAMS Service Request update notification read from Kafka and updated RMC accordingly
C1233-838	Feature	Service Request Fault Adapter: microservices development
C1233-1351	Feature	Service Request Overview: it is possible to display Service Request object details (EAMS and CRMS)
C1233-1172	Feature	Strategy Manager: REST API for Action Sets implementation
C1328S-3	Feature	VMS Parking: spaces + tram departure time management
C1233-1399	Feature	Waze Adapter: traffic incidents collected from Waze community data feeds

3.2 Major release 3.26.0 Fixed

The following bugs have been fixed for the Omnia release 3.26.0 (fix version).

Issue key	Issue type	Summary
C1233-1463	Bug	Asset Monitor: UI enhancements
C1233-1467	Bug	Controller command panel: the command panel takes too long to open
C1387-13	Bug	Data lake adapter: fails when too many days to export
C1233-1390	Bug	DMS Monitoring: visualized status is present in feedback even when the message queue is empty
C1233-1515	Bug	EAMS/GIS Adapter: missing support for LAST_UPDATE_DATE field NULL values, leading to an exception
C1233-1545	Bug	Electronic Sign Panel: button confirm must be disabled if the name field is empty
C1328S-24	Bug	Electronic Sign Panel: column Categories of Dynamic Content Library is not translated in Italian

Issue key	Issue type	Summary
C1328S-20	Bug	Electronic Sign Panel: not blocking the number of characters for the single row
C1233-1544	Bug	Electronic Sign Panel: some special characters are not inserted in permitted words
C1185-264	Bug	Electronic Sign Panel: the DMS Message first row has no font information
C1233-1529	Bug	Electronic Sign Panel: when update an active scenario message, the new message does not queued
C1233-1382	Bug	Electronic Sign View: when page opens, the loading message does not disappear
C1328S-31	Bug	Electronic Signs Dynamic Content Manager: parking houses measurement types are missing
C1233-1397	Bug	Electronic Signs Panel: alternance message is not correctly built
C1328S-21	Bug	Electronic Signs Scheduler: error raised when configuring multiple periods with overlapping hourly periods but different days
C1233-1380	Bug	Electronic Signs Scheduler: when a scheduled message is updated there are missing information
C1233-1406	Bug	Event Management: excel export of event instances not working
C1233-1297	Bug	Event management: missing translation management support
C1233-1432	Bug	Event Management: the event assignment window called by the Event Overview button does not close properly
C1384-2	Bug	Event Manager: unable to consume event location, resulting in an invalid DENM message
C1233-1270	Bug	Event Report: missing assignee field in compare function
C1233-1496	Bug	Event Scenario service: event model based on coordinates not managed correctly
C1233-1396	Bug	Event Scenario: events are no longer created
C1233-1516	Bug	EventUpdateNotification: unexpected events update
C1233-1435	Bug	Genetec Adapter: the service does not start
C1233-1039	Bug	Genetec Storage: Show Recorded video button appears untranslated
C1233-1464	Bug	Genetec Storage: wrong behaviour of data picker
C1233-1539	Bug	Green Split Manager: high memory usage on services
C1233-1513	Bug	Incident report: the location field is not filled in
C1233-1466	Bug	Junction View: selection window takes too long to show detection units and controllers
C1328S-34	Bug	Map search: path data not updated, and mismatch between pop-up, map search and traffic data
C1233-1504	Bug	Map Search: selected paths popup information not available
C1233-1509	Bug	Map Search: selection of paths not properly managing multi selection
C1233-1402	Bug	Map View: event icon disappears from the map
C1233-1498	Bug	Map View: cluster is not active when zooming in, this is providing a messy presentation
C1233-1441	Bug	Map view: error in browser console when opening the object pop-up
C1328S-27	Bug	Map View: no parking houses to be placed on MAP
C1233-1517	Bug	Map View: unexpected behaviour on the measure selector
C1233-1211	Bug	Measurement Report: Green Split measurement not visible

Issue key	Issue type	Summary
C1233-1249	Bug	Measurement report: not working filter in selection tree
C1328S-16	Bug	Measurement report: tooltip in the graph shows always the same value
C1328S-29	Bug	Measurement report: wrong scale on tooltip
C1233-1143	Bug	Microservices: high memory usage on services which use Kafka broker
C1233-1388	Bug	Mistic Web Components: it doesn't close/open pre queues when the user disables a scenario
C1233-1485	Bug	Notification widget: black strip appears on Desktop
C1347-6	Bug	Omnia API: V3 VMS Visualized Status (Datex II): alternance message not correctly represented
C1347-7	Bug	Omnia API: V3 VMS Visualized Status by guid (Datex II): wrong output
C1233-1481	Bug	Omnia Desktop: fix regressions verified on translation file
C1233-1448	Bug	Omnia Desktop: Services Requests Overview duplicates parameters columns
C1185-262	Bug	Omnia Desktop: Status Report can't export large DMS history
C1233-1505	Bug	Omnia Grid component: bug on paging toolbar, unable to set a page number
C1233-1569	Bug	Omnia Server: event endpoint V4 doesn't manage the field ValidatorUserName and AssigneeUserName correctly
C1233-1514	Bug	Omnia Server: EventController - Event status not updated
C1185-268	Bug	Omnia Server: VMS status Datex II api status is not updated for signs which have lost connection
C1233-1443	Bug	Omnia Webserver Production: exceptions on Event Viewer to manage
C1396-2	Bug	Plan Library: not possible to update plan name
C1233-1527	Bug	RedisSharedStorage AddFilter throws exception on Multi Thread
C1233-1240	Bug	Service Request adapter: exception on inserting SR in database
C1233-1528	Bug	ServiceRequestFaultAdapter: error on SR CAT1 generation
C1233-1316	Bug	Signal Group Diagram and Time Space Diagram: missing Historical data
C1396-1	Bug	Signal Group Diagram: adding detectors and I/O not working in RTL
C1233-1530	Bug	SR Overview: missing title on details popup
C1233-1429	Bug	Status Report: last entry reported is not the actual last message
C1185-105	Bug	Status Report: VMS diagnostic status is wrong
C1185-263	Bug	Status Reports: excel export fails for longer periods
C1233-1255	Bug	System Overview: Measure Time field value in environment sensors tab is not always updated (with reference to the value available in the database)
C1233-1434	Bug	System Settings: alarms library tab error, unable to use the module
C1233-993	Bug	System Settings: the module does not work correctly after the first usage

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4 Minor release 3.24 Errata Corrige Content - Log

4.1 Minor release 3.24 Errata Corrige New

The following features have been fixed for the Omnia release 3.24 (fix version) but they don't appear in the previous 3.24.x release notes

Issue key	Issue type	Summary
C1233-867	Feature	Omnia API: POST event APIs to be created (internal data model)
C1233-1347	Feature	Omnia Server: new attributes introduced to manage event endpoints
C1233-1198	Feature	Scats Adapter: improvements
C1233-1284	Feature	Strategy Manager: added support for library message that contains dynamic content

4.2 Minor release 3.24 Errata Corrige Fixed

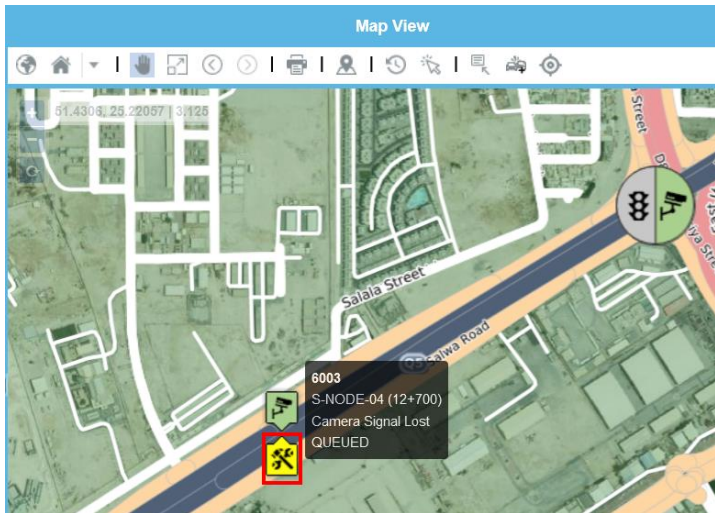
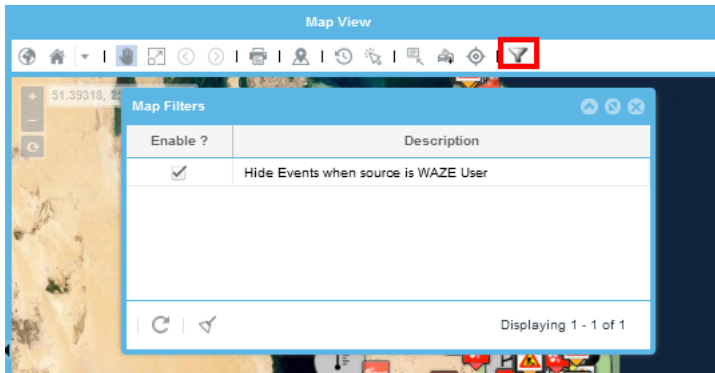
The following bugs have been fixed for the Omnia release 3.24 (fix version) but they don't appear in the previous 3.24.x release notes

Issue key	Issue type	Summary
C1376-8	Bug	Detection Units: query slow on Omnia Map View
C1233-1375	Bug	Genetec Video Manager: the video download fails if there are special characters in CCTV description
C1233-638	Bug	Map Search: historical view shows live measurements instead of historical ones.
C1233-1337	Bug	Map View: some incidents are not displayed due to an error in the JSON parsification
C1376-3	Bug	Map View: undesired layers activation
C1347-4	Bug	Omnia API: variable message signs status is returning status also for deleted/disabled electronic signs
C1376-5	Bug	Omnia Kuwait: timeout period elapsed prior to completion of the operation or the server is not responding.
C1233-1132	Bug	Omnia Server: GET HTTP "/rest/v3/events" exports also cancelled events
C1233-1287	Bug	Omnia Server: rest API for events suddenly are not managing mp4 payloads
C1233-1153	Bug	Omnia Server: REST POST to Events controller not comply to json response type
C1233-1355	Bug	Omnia server: the events REST endpoint is not providing events related to the provided WKT shape
C1233-588	Bug	Omnia UI: Traffic Data: the detector grid and chart do not open when more than 3500 detectors are managed
C1233-1268	Bug	Omnia UI: Event Panel (Parameters tab) contains labels not stored in 18n
C1233-1366	Bug	Omnia UI: events are not displayed if there are duplicate eventTypeId in the S_EVTDD_MACROTYPE_MAPPING table
C1233-1266	Bug	Omnia UI: Omnia start menu labels missing
C1233-1152	Bug	Omnia WebServices: the REST accept for the field source only 10 characters, but the DB support nvarchar(max)

Issue key	Issue type	Summary
C1185-259	Bug	Strategy Manager: active message continuity is not always respected
C1373-2	Bug	Traffic data: is presented as average instead of sum
C1233-1300	Bug	Video Wall: localization management missing
C1328S-15	Bug	VMS: check Italian translation

5 Summary Release Notes 3.26.0

Following are the list of the features included in Omnia 3.26.0 version delivery.

Monitoring:	
	Map View: ✓ It is possible to display Service Request objects on the map (both relating to an asset and not).
	
	✓ New button available in the Map View toolbar to access to a map filter panel that allows the user to customize filtering options for event layers.
	
	✓ Extension for weather forecast integration (Padova) ✓ Tram information management integration (by SIRI): next tram departure and the arrival to the opposite terminus time sent to Omnia as calculated travel time for that specific path.

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- ✓ Next tram departure time communication managed by Parking VMS (SIRI integration).

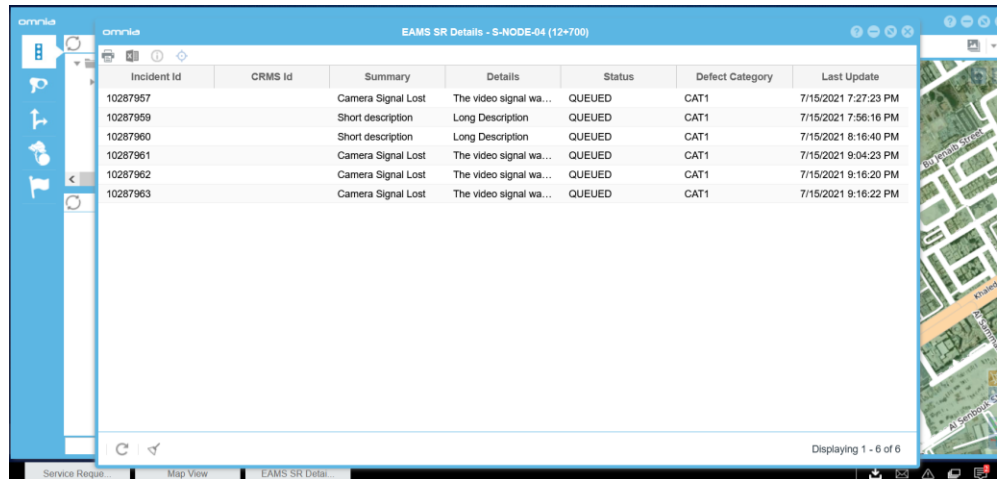


- ✓ Free parking space data read from parking camera and send it to Parking VMS (SIRI integration).

Stato	Allarmi	Controllo
Codice parcheggio	SIR1-SUD	
Stato	Up	
Occupazione	41%	
Posti non riservati	291 (500)	
Posti riservati	0 (0)	
Latitudine	45,36691	
Longitudine	11,87187	
Ultimo	16/09/2021 10:26:37	

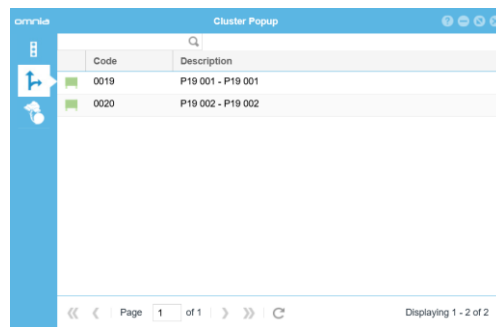
Stato	Allarmi	Controllo
Codice parcheggio	SIR1-NORD	
Stato	Up	
Occupazione	34%	
Posti non riservati	329 (500)	
Posti riservati	0 (0)	
Latitudine	45,44247	
Longitudine	11,88981	
Ultimo	16/09/2021 10:27:11	

- ✓ It is possible to open **Service Request details** (Service Request Overview window) by clicking on SR icon on the map; if there are more than one SRs associated with the asset, only the SR that has a higher severity will be displayed on the map.



Incident Id	CRMS Id	Summary	Details	Status	Defect Category	Last Update
10287957		Camera Signal Lost	The video signal wa...	QUEUED	CAT1	7/15/2021 7:27:23 PM
10287959		Short description	Long Description	QUEUED	CAT1	7/15/2021 7:56:16 PM
10287960		Short description	Long Description	QUEUED	CAT1	7/15/2021 8:16:40 PM
10287961		Camera Signal Lost	The video signal wa...	QUEUED	CAT1	7/15/2021 9:04:23 PM
10287962		Camera Signal Lost	The video signal wa...	QUEUED	CAT1	7/15/2021 9:16:20 PM
10287963		Camera Signal Lost	The video signal wa...	QUEUED	CAT1	7/15/2021 9:16:22 PM

- ✓ **Cluster popup:** when opening the popup, the system automatically opens the first tab having at least one device in it; the popup doesn't show empty tabs. In the example below, two different cluster popup window that show only asset tabs for which at least on device exists.

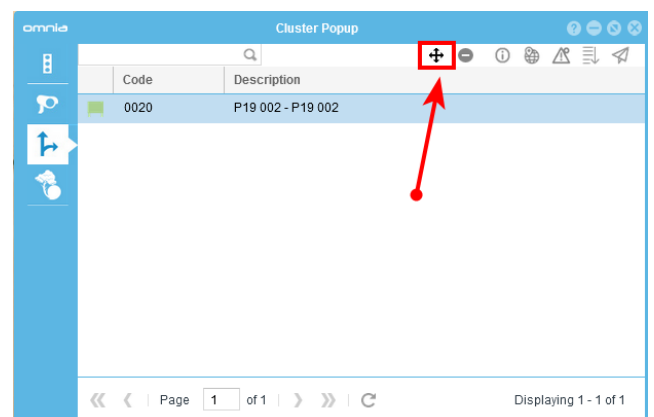
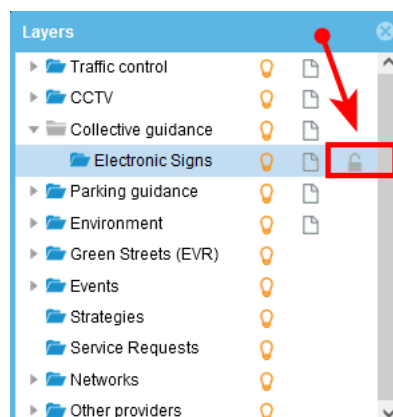


Code	Description
0019	P19 001 - P19 001
0020	P19 002 - P19 002

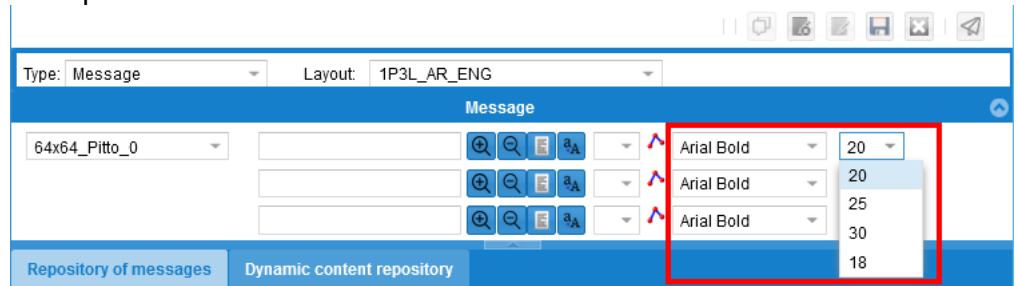


Code	Description
Dukhan 1 - Alb...	مخزن 1 - طريق البشير
500021785	PD Arcella

- ✓ **Cluster popup:** has been introduced the possibility to edit coordinates of asset, even if they are inside a cluster. Since at maximum level of zoom the assets are clustered, there were no possibility to edit the coordinates of one asset from the cluster popup window, since this possibility only existed opening the popup starting from a single asset.



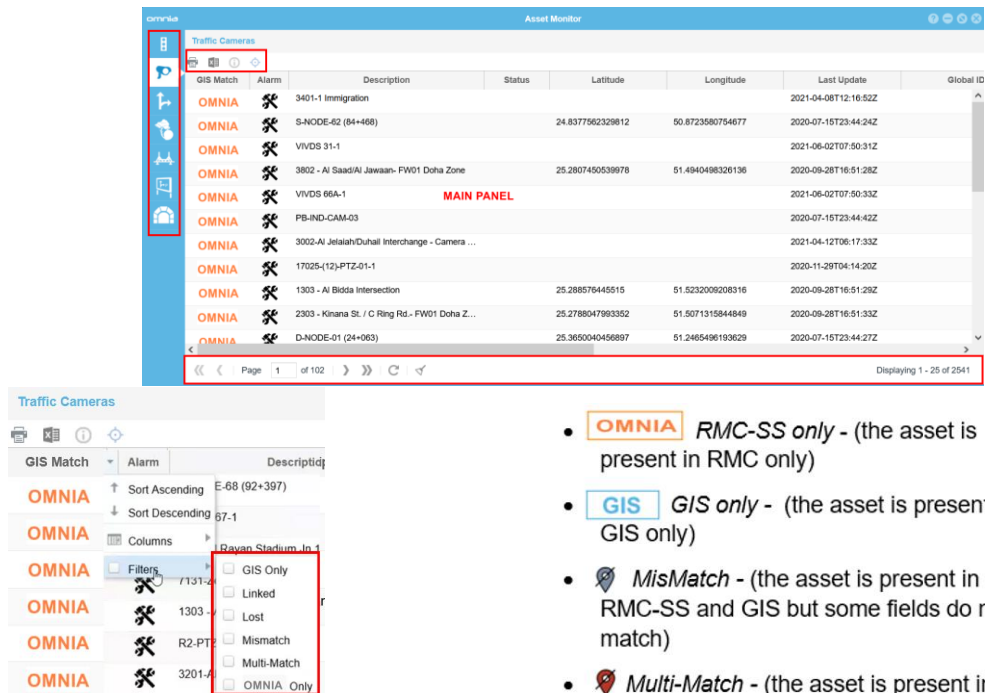
- ✓ **Electronic Sign Panel:** font name and font size default value is now presented in the drop list for textual virtual units.



- Electronic Signs visualized status supports also not Datex II standard icon names
- In publication visualized status, the exposing date times fields are displayed in UTC format

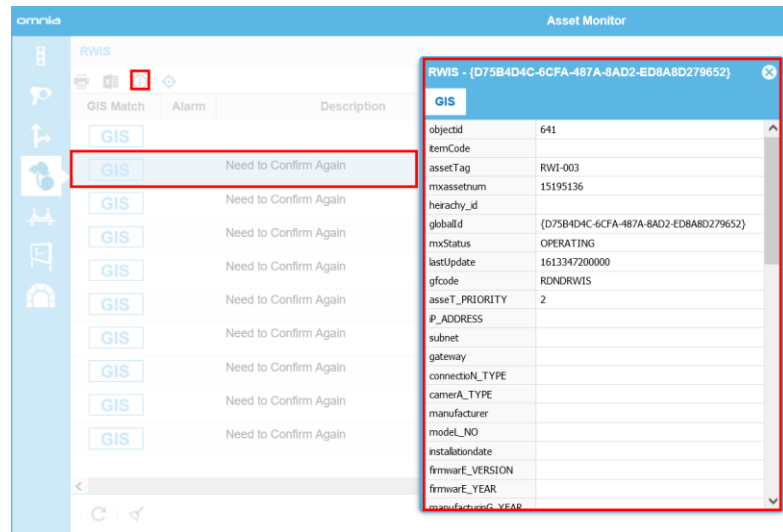
Asset Monitor:

- ✓ Asset Monitor application integration: it displays the list of all existing assets into Omnia and GIS systems, ordered by asset type, in a grid format. Omnia operator can monitor all assets alignment by typology and verify if some misalignment alarm exists for them.

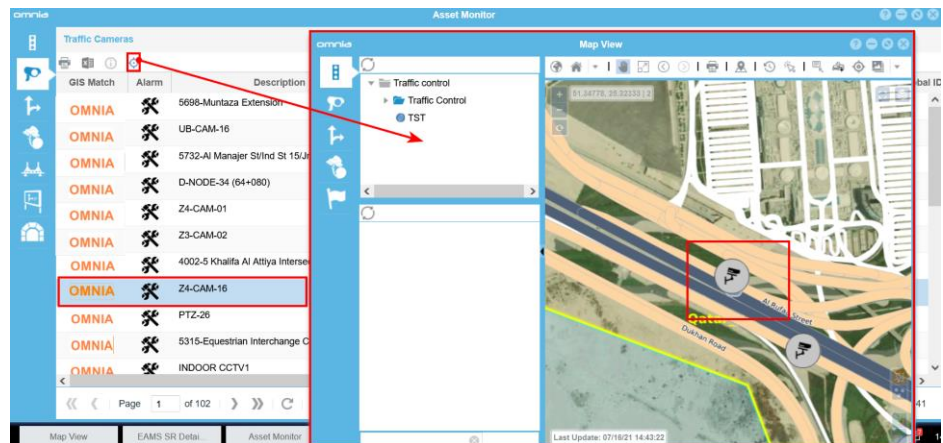


- **OMNIA** RMC-SS only - (the asset is present in RMC only)
- **GIS** GIS only - (the asset is present in GIS only)
- **MisMatch** - (the asset is present in RMC-SS and GIS but some fields do not match)
- **Multi-Match** - (the asset is present in RMC-SS but it corresponds to several assets in GIS)
- **Lost** - (the RMC-SS asset has lost match with the GIS asset)
- **Linked** - (the RMC-SS asset matches the GIS asset)

- ✓ Omnia user can **monitor asset alignment details** into the system using Asset Monitor application;



- ✓ Omnia User can **locate the position of the specific asset** on the map using Asset Monitor application.



- ✓ Asset record list can be printable and exportable in excel using proper buttons



Service Request Overview:

- ✓ Service Request Overview application integration: it provides the list of all Service Request (defect type-CAT1), opened in IMB Maximo System by Omnia itself, relating to a specific asset or created by a EAMS or CRMS operator relating to a generic work order. These Service Requests are very useful to investigate the asset fault.

Incident Id	CRMS Id	Summary	Details	Status	Defect Category	Last Update
10283267		Camera Signal Lost	The video signal wa...	QUEUED	CAT1	6/16/2021 3:19:14 PM
10103933	14012019-0161	14012019-0161 - C...	Details: car acciden... Owner: Roads O&M...	INPROG	CAT1	6/20/2021 12:45:53 ...
10284298		Camera Signal Lost	The video signal wa...	QUEUED	CAT1	6/22/2021 10:13:18 ...
10284299		Camera Signal Lost	The video signal wa...	QUEUED	CAT1	6/22/2021 10:13:24 ...

- ✓ Omnia user can display Service Request details from grid, by selecting the Service Request record in the table and clicking on “Service Request details” button in the upper toolbar;

Details - undefined

EAMS

CRMS

ExternalDefectCategory

CAT1

ServiceRequestGroupID

2ac208e8-2592-4622-b734-7ba4bbf6f395

ObjectTypeID

ObjectID

AssetLat

AssetLon

AssetNumber

Details - undefined

EAMS

CRMS

ServiceRequestGroupID

2ac208e8-2592-4622-b734-7ba4bbf6f395

PersonID_label

test ashghal

ExternalAddress2_label

123

ExternalAddress3_label

{ "crms_name": "0 - New Temporary Road" }

ExternalComplaintType_label

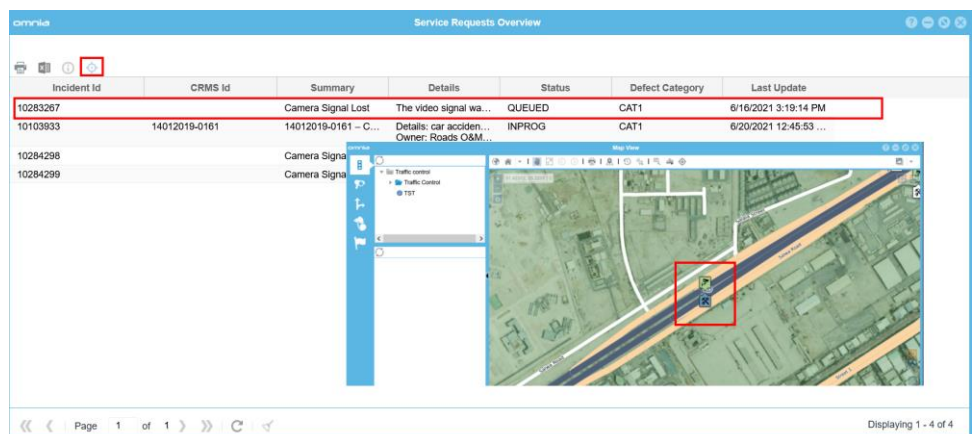
ExternalLatitudeX_label

0

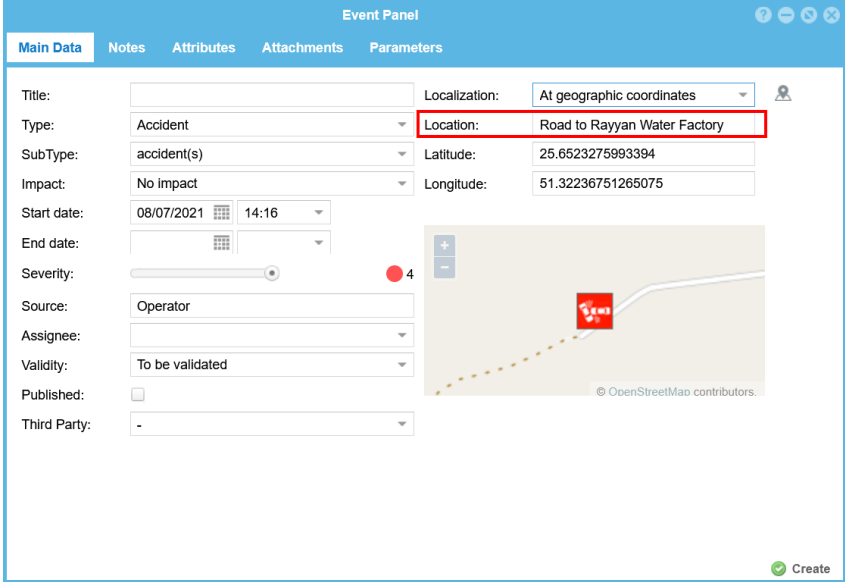
ExternalLongitudeY_label

0

- ✓ Omnia user can localize **Service Request** on the map and access to SR details popup from grid by selecting the Service Request record in the table and by clicking on “Localize Service Request” button in the upper toolbar;



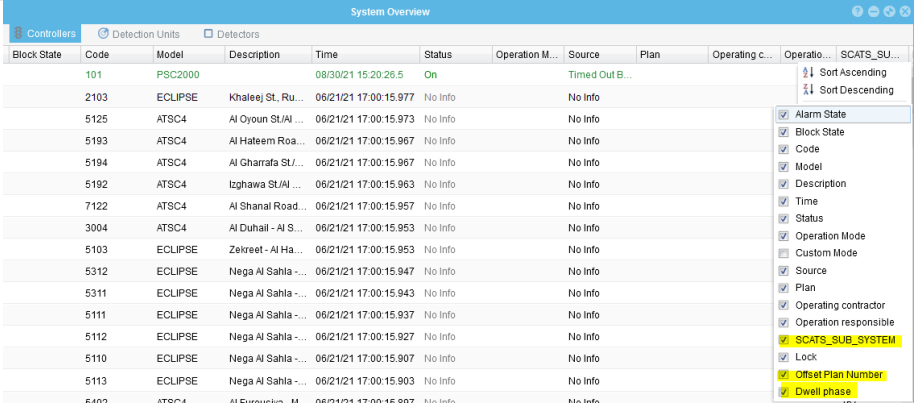
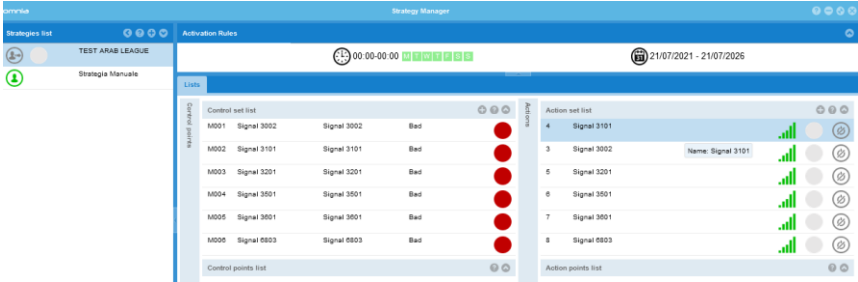
- ✓ **Service Request** record list can be printable and exportable in excel using proper buttons  

Event Management:	
	Event Panel:
	✓ When choosing „coordinates localization“ type, "Location" input field is visible and free editable. Operator can provide a free text representing the description of the location. 
	✓ It is allowed third parties to insert new event or update an already existent event; Location can be either on point or on Arc identifier. ✓ It is allowed third parties to insert only new events in the same way done for the previous. ✓ Endpoints user names (assignee, validator and creator) managed as optional parameters in Omnia ✓ ISU enabling to send their status related to an event/mission from mobile app (backend only). ✓ Waze system integration to manage important real time traffic information.

- ✓ QPRO integration to retrieve Road Opening and Occupation (RO) Data and Traffic Diversion Plan (TDP) data from RCMO Systems QPRO & TDP by RMC-SS via AA ESB.

Asset Management

- ✓ **System Overview** (Scats improvements):
 - Dwell status management, Show Subsystem plan
 - Action lists alignment, fixed plan improvement.
 - Asset alignment: measurement stations adding - separate controller description and new property Intersection Description.

	
Strategy Management:	
	Strategy Manager
	- Strategy manger activates Signs Commands configured as messages that are stored in Omnia Electronic Signs library. In case of dynamic content the message is costantly updated. - Actions set list provided for a specifical strategy. 
Notification Management:	
	Notification Widget:
	✓ It is now possible to display notification relating events, alarms and strategies that are active or change their priority level:

	Events TEST location field EVT:20210706101504608 Assign to me Assign StrategyServiceLevelChanged Auto Strategy "TEST ARAB ... Auto Strategy "TEST ARAB LEAGUE" changed I... EnvironmentSensor Device Unreachable MANUAL Medium Device: مسيجد - Messaid Acknowledge																																												
Dynamic Content Management																																													
	Dynamic Content Manager																																												
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