

TELENAVIS



Ministry of Communications
and Information Technology

MTS^{I.T.}

Modern **Telecom** Systems

Building an GIS information infrastructure
for Ministry of Transport –Egypt



الهيئة العامة
للطرق والكبارى و النقل البرى
(GARBLT)



- ✓ **TELENAVIS & MTS-IT**
- ✓ **The Business case**
- ✓ **Project Scope**
- ✓ **Project outcomes**
- ✓ **Questions**

Company Profile



ΙΝΣΤΙΤΟΥΤΟ LOGISTICS
MANAGEMENT ΕΛΛΑΔΟΣ



- Established in 2000
- Our Mission : To provide location intelligence by using innovative technologies.
- Our Clients : Logistics and Delivery operations, Sales Optimizations for FMCG, Banking, Telcos, Local Authorities, Central Government
- International presence in Europe (Athens – Berlin - Sofia) and Middle East (Cairo)
- Share Capital 1.523.000 €
- Site : www.telenavis.com
- ISO 9001 certified
- ISO 27001 certified



European Innovation Partnership on
Smart Cities and Communities



MATERIAL HANDLING



E.S.E. PROFILO Ε.Π.Ε.



Local Authorities

Attika Prefecture



Municipality of Athens



Municipality of Nea Philadelpha



Municipality of Trikala



Municipality of Karditsa



Municipality of Kalamata



Municipality of Markopoulo



Municipality of Kallithea



Logistics

Sarmed



Metron Logistics



Diakinisis



ΑΡΓΟΣ



Foodrinco



Delatolas



Greek Post Office



Mouhalis



Transcombi



Soultanoglou



Banking Sector

EUROBANK – ERGASIAS 

CITIBANK 

SOCIETE GENERAL 
SOCIETE GENERALE HELLAS

PIRAEUS BANK 

MARFIN EGNATIA BANK 

ALPHA BANK  ALPHA BANK

BANK OF CYPRUS  Bank of Cyprus

Public Sector

Ministry of Development 

Ministry for Health & Social Solidarity 

ΥΠΟΥΡΓΕΙΟ ΥΓΕΙΑΣ
&
ΚΟΙΝΩΝΙΚΗΣ ΑΛΛΗΛΕΓΓΥΗΣ

IDIKA SA –Computer center of social security services and e –

GOVERNMENT



OPAP 

ΚΕΕΛΠΝΟ- Hellenic Center for Disease Control & Preve ..

ΟΑΣΑ - ΕΘΕΛ



ΟΡΓΑΝΙΣΜΟΣ
ΑΣΤΙΚΩΝ
ΣΥΓΚΟΙΝΩΝΙΩΝ
ΑΘΗΝΩΝ



Telecommunications

Vodafone



WIND



Cosmote



CYTA



Γερμανός



MTS^{I.T.}

Modern **Telecom** Systems

- MTS an Egyptian share Holding Company established in Dec.1985 with paid capital is 10 Million L.E.
- In 2004 established MTSIT as separate company for IT services
- Specialized in Tailored large scale software development, MTS-IT has implemented multiple national projects including in the last 5 years:
 - Telecom Egypt Fault clearance centers – national scale
 - Telecom Egypt Telegraph System – national scale
 - Ministry of Health – Public sector supply chain for pharmaceuticals – National scale
 - Ministry of Trade – Enterprise Service bus for Egy-Traders – EU Project

TELENAVIS

MTS^{I.T.}

Modern **Telecom** Systems

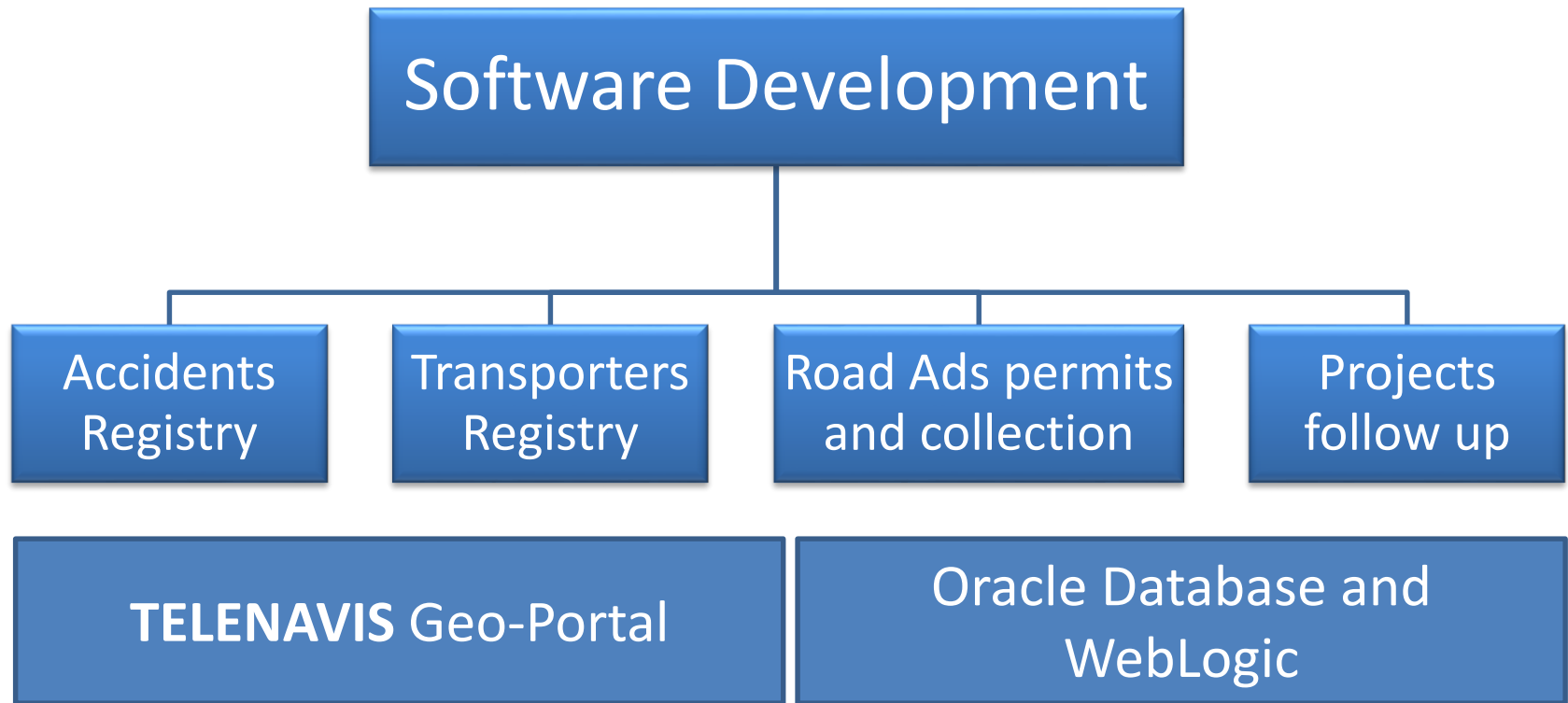


Ministry of Communications
and Information Technology



Building an GIS information infrastructure for Ministry of Transport –Egypt

Sponsored By: Ministry of communications and
Information Technology



Component 1: Software development

Decision Support and Business Intelligence

Railways

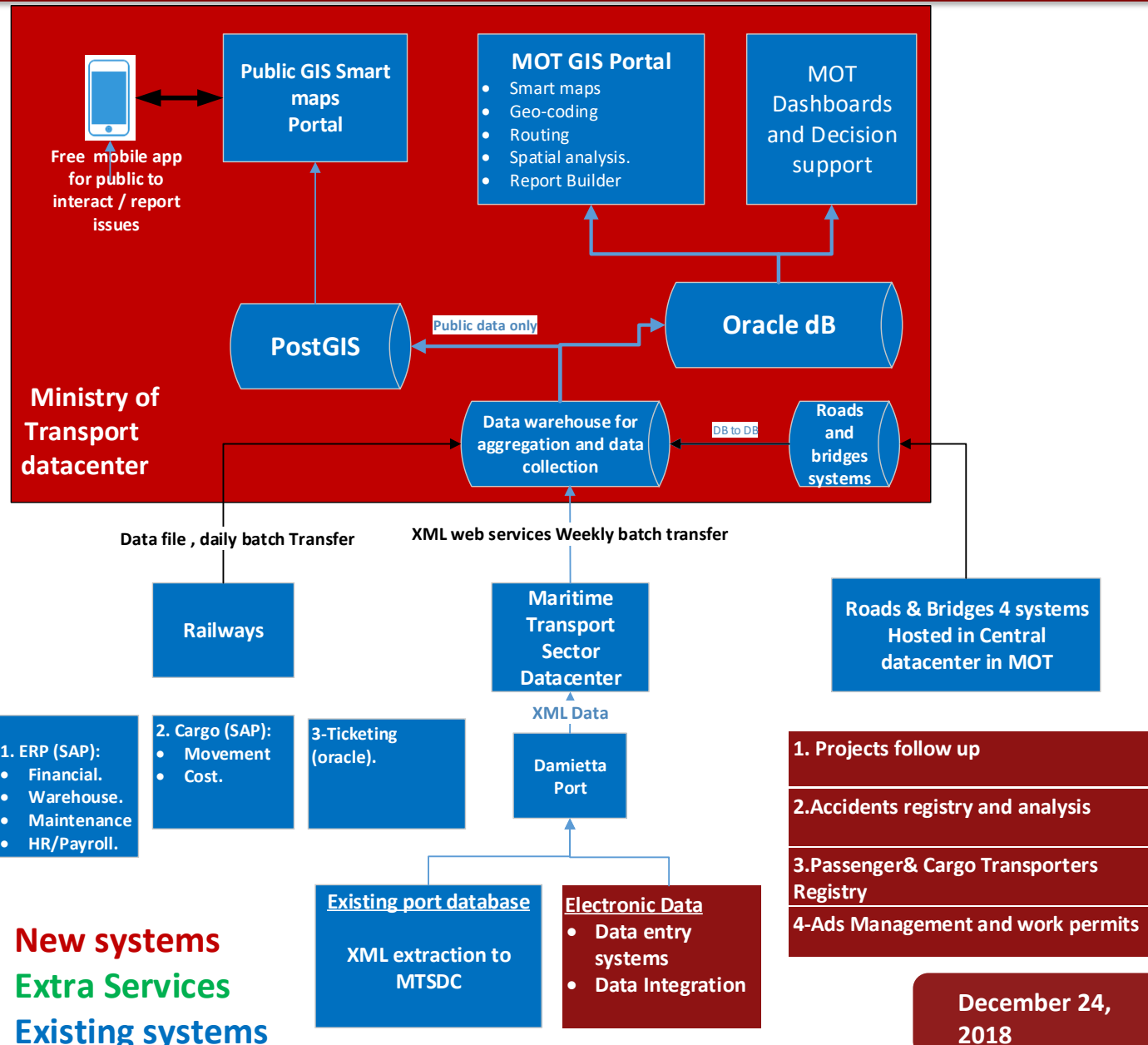
1. Ticketing
2. Cargo
3. Inventory
4. Accidents
5. Train delays
6. Projects
7. Finance
8. HR

Roads

1. HR
2. Toll stations
3. Balances
4. Traffic counters
5. Projects

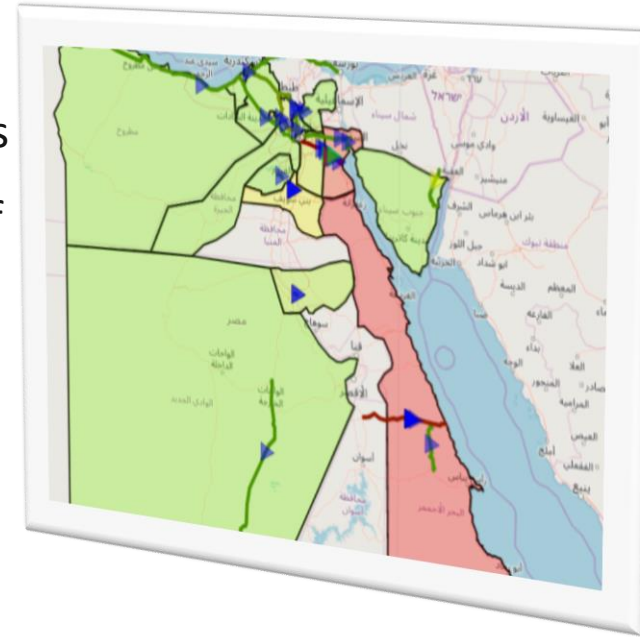
Marine and Ports

1. Ships movements
2. Cargo
3. Ports performance
4. Marine safety and accidents



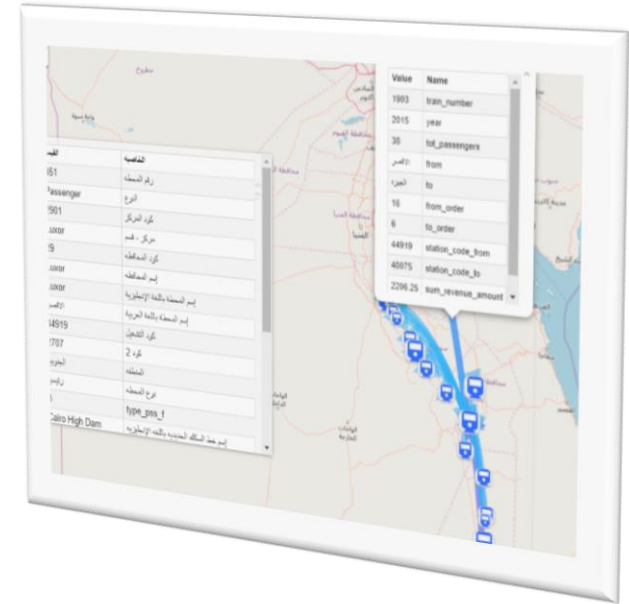
➤ Roads Network

- **Visualize thematic reports** about red and black accidents spots over roads network based on dynamic modeling of road capacity and traffic frequency vs number of accidents
- **Assist in planning service points**, service coverage geographical planning and identifying areas where more service points are required (including gas stations, ambulance centers, Rescue & service crews ...etc)
- **Planning for new roads, intersection with floods paths** and roads capacity per each area population
- **Spatial analysis** between different layers of roads and bridges.



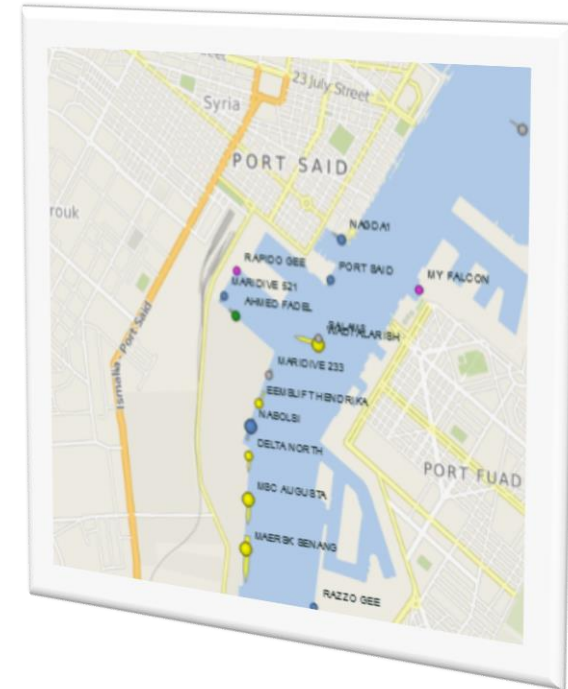
➤ Railways

- **Visualization of traffic and income of each rail branch**
- **Visual identification of high capacity lines, and critical paths** where capacity is reaching or exceeding designed capacity
- **Allocation of service centers, and emergency teams** allocation related to high density links and stations.
- **Geocoding all rail assets**, including stations, yards, signals, switches , control towers and power stations to help in future planning.



➤ Ports and Maritime

- **Visualization of marine traffic** in ports and marine areas using interfaces with data providers and local traffic systems
- **Planning marine and ports projects**
- **Thematic maps on berth loads , loading and shipping activities**



Ministry of Transport Logo

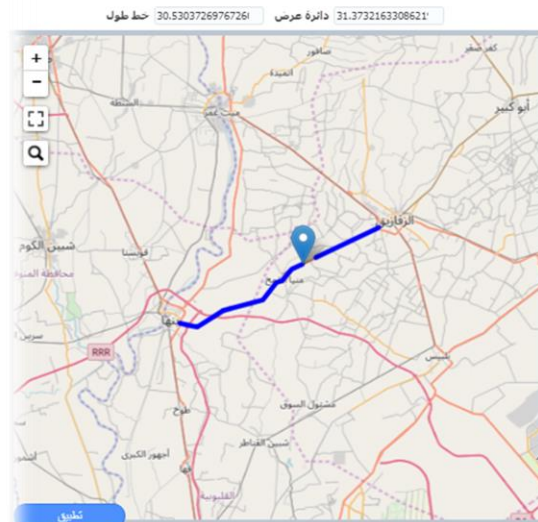
Home | Accident Report | Accident Audit | Accident Lookup | Reports | Geomanger Report

Select Accident Report

Search: Report Serial: Status Code: Result Search 70 Total 70

Report Serial	Status	Location	Date	Vehicule Count	Injured Count	Died Count	Damage Cost
03-February-2018 Submitted	Submitted	CENTRAL الاسكندرية الوراق	21-03-10-2018-1 38	0	0	0	0
25-August-2018 Canceled	Canceled	CENTRAL الاسكندرية الوراق	21-19-09-2018-1 39	0	0	0	0
20-April-2018 Canceled	Canceled	ASI/UT الاسكندرية الوراق	21-3-26-07-2018-1 30	0	0	0	0
03-July-2018 Canceled	Canceled	RED SEA الاسكندرية الوراق	21-18-07-2018-1 10	0	0	0	0
09-July-2018 Canceled	Canceled	RED SEA الاسكندرية الوراق	21-10-07-2018-1 10	0	0	0	0

إلغاء بدون حفظ/خروج حفظ مؤقت [70 / 18]



تعديل تقرير الحادث

تاريخ الإحداث: الخميس 29-مارس-2018 04:20 م
اسم المستخدم: Superuser_accident
رقم التقرير: 13-29-03-2018-1
مصدر المعلومات: الأستاف

حالة إدخال الحادث: كاملة
اسم المنطقة المركزية: المنطقة المركزية
اسم الطريق: الرافق / بنها شمال

تفاصيل الحادث

تاريخ وقوع الحادث: 25-فبراير-2018
وقت الحادث (24 ساعة): 21 : 22
وقت وقوع الحادث / إيليا
إصابة

حالة الطقس: أخرى: غير معروف; تلح: دخان; عام
رأي المرور في الحادث: دوران خاطئ: سرعة زائدة أدت إلى
وسائل تأمين سلامة: جوارح خرسانية; جوارح فضيلة: KL
المرور وقت الحادث

بيانات موقع الحادث

نوع المسطح: أرض
حالة السطح: رأى آخر
عيوب خفيفة للرصف

ملحق رئيسي
ملحق أفقي
وصف الموقع

تفاصيل الطريق

تفاصيل إضافية للحادث

0 0 13 1 0 0 0



الصفحة الرئيسية

سجل الحوادث

مراجعة تفاصيل الحادث

قوائم الاحتيال

التقارير

التقارير الجغرافية

Back to back
integration with Geo-
portal

Select Accident Report >

Edit Accident Report Submitted

Ambulance Details

Ambulance Request ☒ Accident Date 25-February-2018
 Ambulance Count 2 Accident Time (24 Hour) 21 : 22

	* Request Time (24 Hour)	Arrival Time (24 Hour)	Leave Time (24 Hour)	Ambulance Opinion	Driver Name	Paramedic Name
1	28-February-2011 12 : 00					

Ambulance Capacity Two Ambulance Type Not Reported

Cancel Save

Apply

Select Accident Report >

Edit Accident Report Submitted

Accident Involved Person

	* Involvement Type	* Age Group	* Nationality	Person Count
1	Died	Teenager	Non-Egyptian	6
2	Injured	Baby	Egyptian	5

Accident Person Detail

	* Person Gender	Name	Death Date (24 Hour)	Death Instance	Passport Number	Country
1	Female	Amina Abd El-Rhman		Died prior to the		London


Person Age 34
 Inv Type Car Driver
 License Type Driven License
 Distracted By Smoking
 Seating Position Back seat - Other

Restraint System Helmet use
 Driver Level Driving too less than the posted speed
 Driver Influence Drugs
 Extrication Unknown

Columns Hidden 2

Cancel Save

Apply




- Home
- Lookup
- Companies
- Routes
- Passenger Contracts
- Transportation Permits
- Cargo Truck Tracking
- Inspector
- Audits
- Geographical Reports
- Reports

Routes List

Search Results 25 Filtered Routes 25 Saved Search Quick Search

Start Governorate End Governorate
Start City End City

Search Reset



Route ID	Route Name	Status
1	حالة الشرق	0
2	E النظرة غرب / مفروق الصالح	6
3	مفروق	1
4	مفروق	1

Transporter Id 147

Transporter Type Company
Transporter Category Passenger

* Transporter Name الخاليجية
* Company Type Private Se
* Commercial Name الجماعي

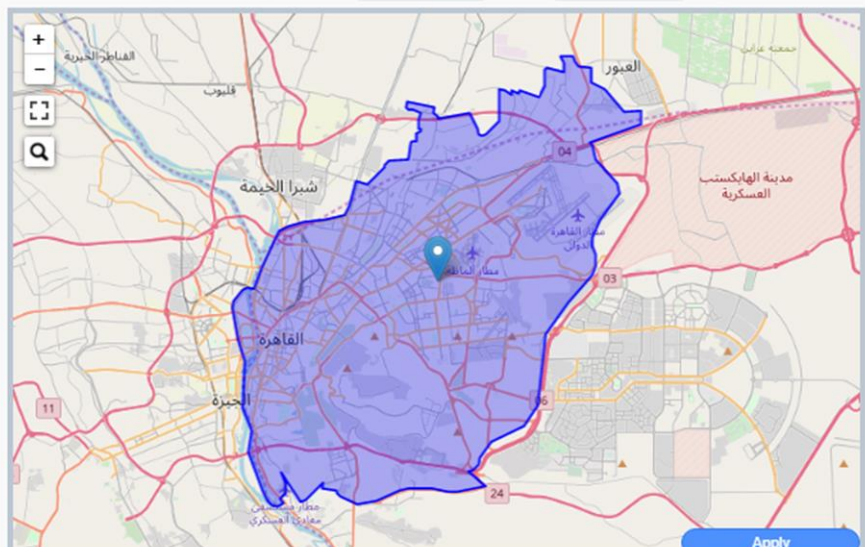
Contacts Delegates Faci

View +

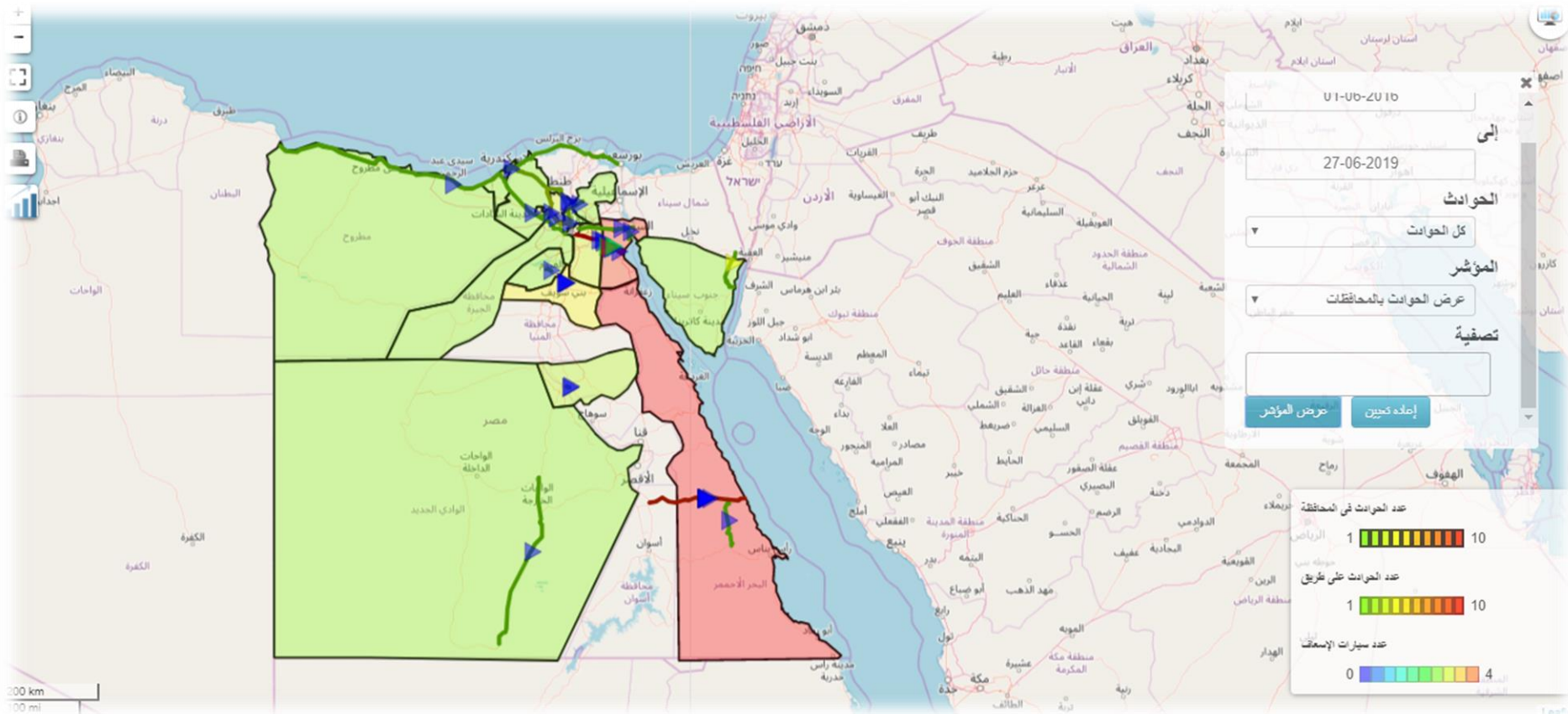
* Contact Type

No rows found

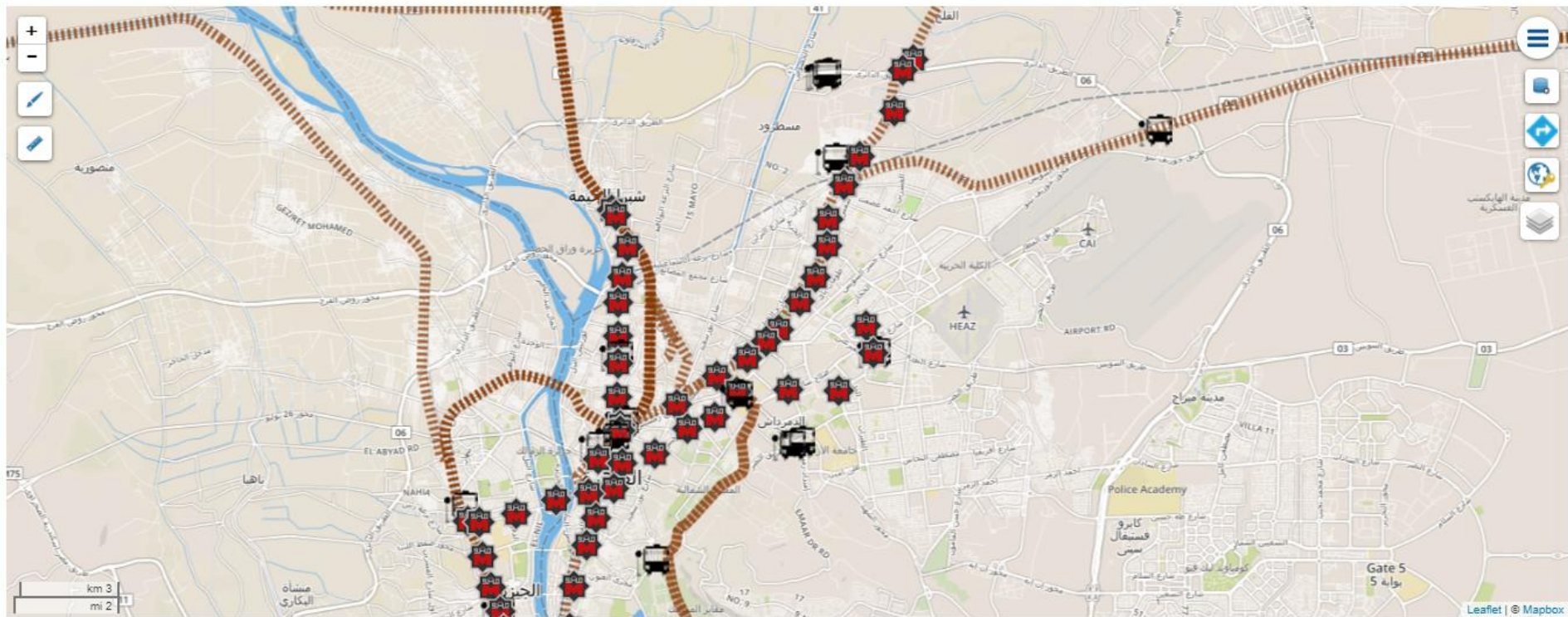
31.337952 Latitude 30.078300 Longitude



Apply



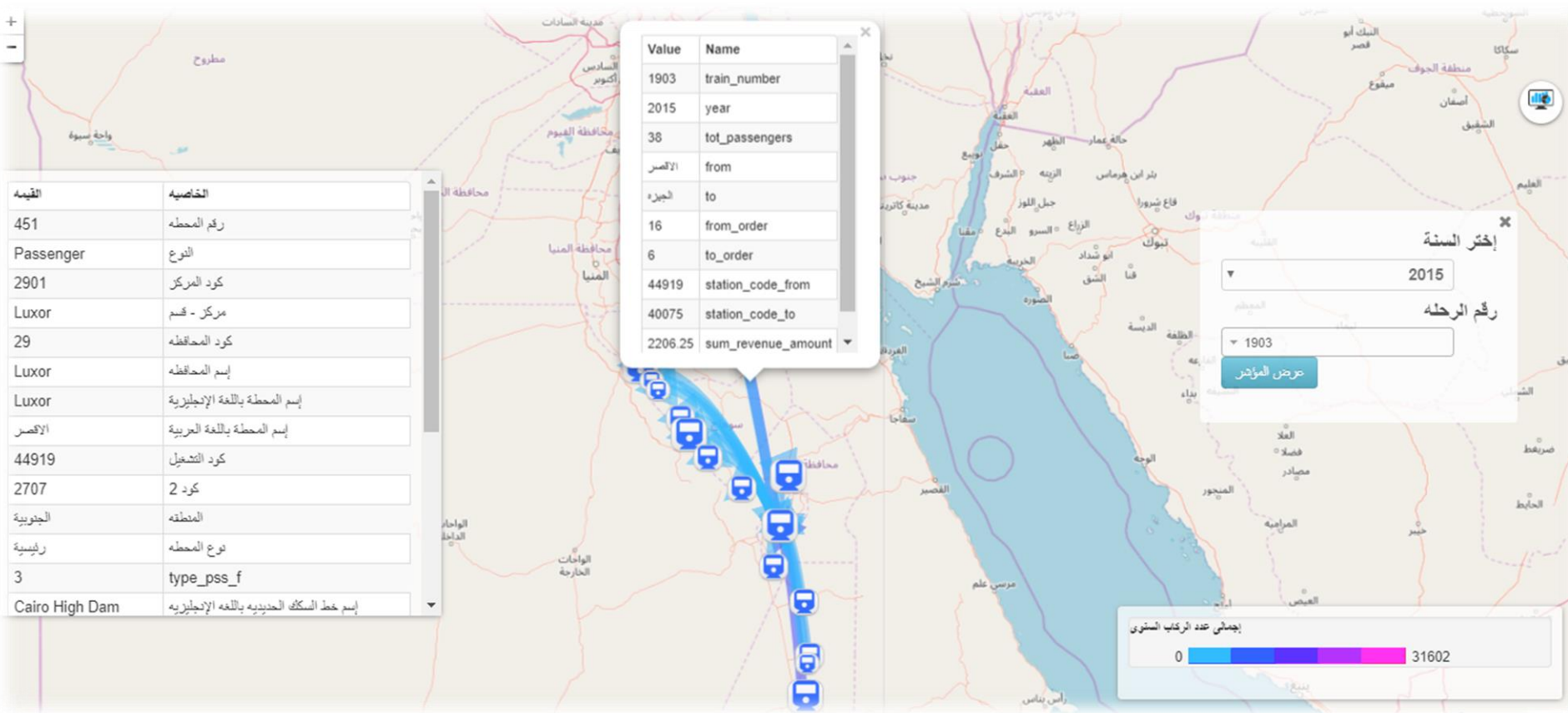
Multiple layers of information on thematic reports
Parametric inputs and filters



Rich library of symbols and presentation capability



Different type of analytical charts

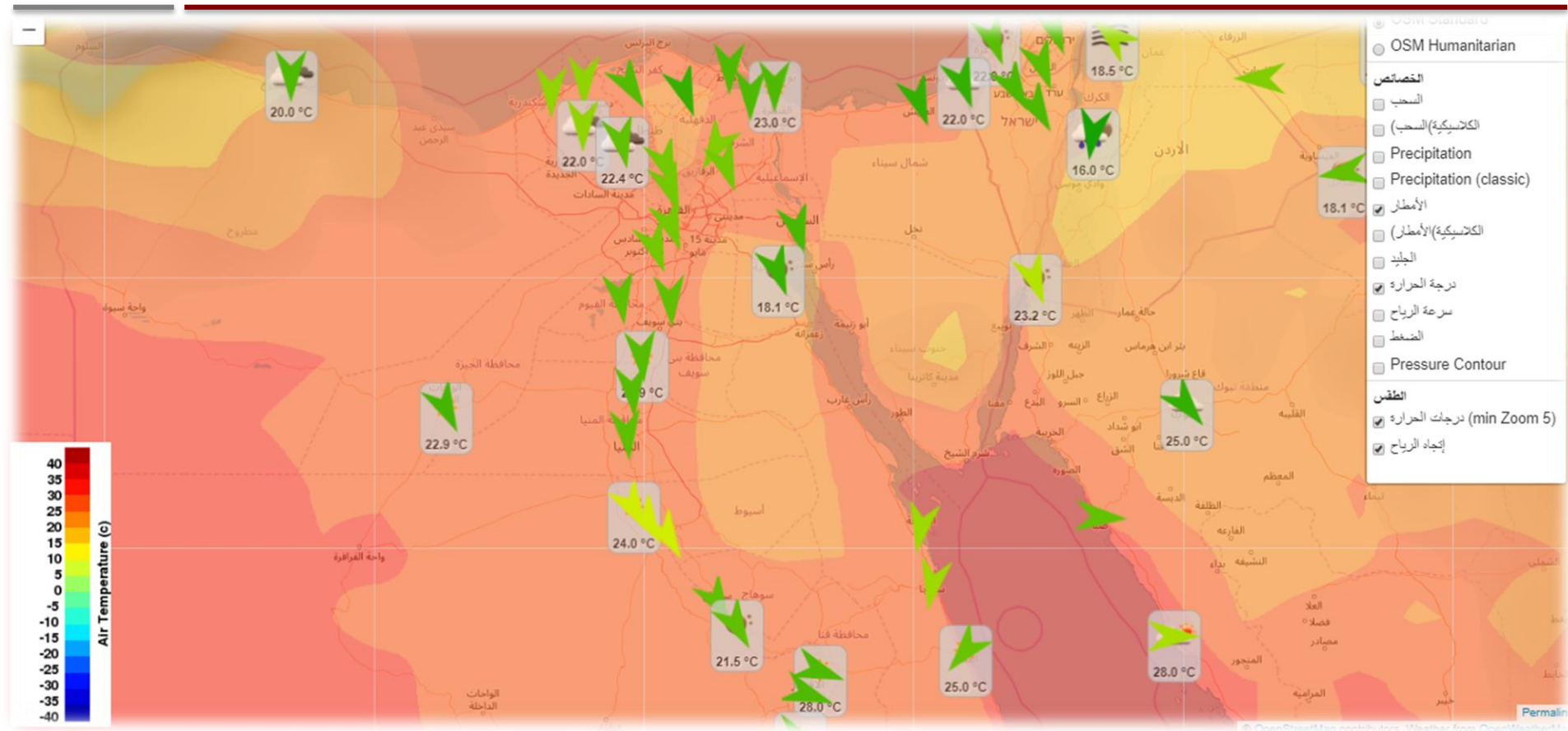


Interactive information with dynamic data sources



Routing analysis with multiple algorithms

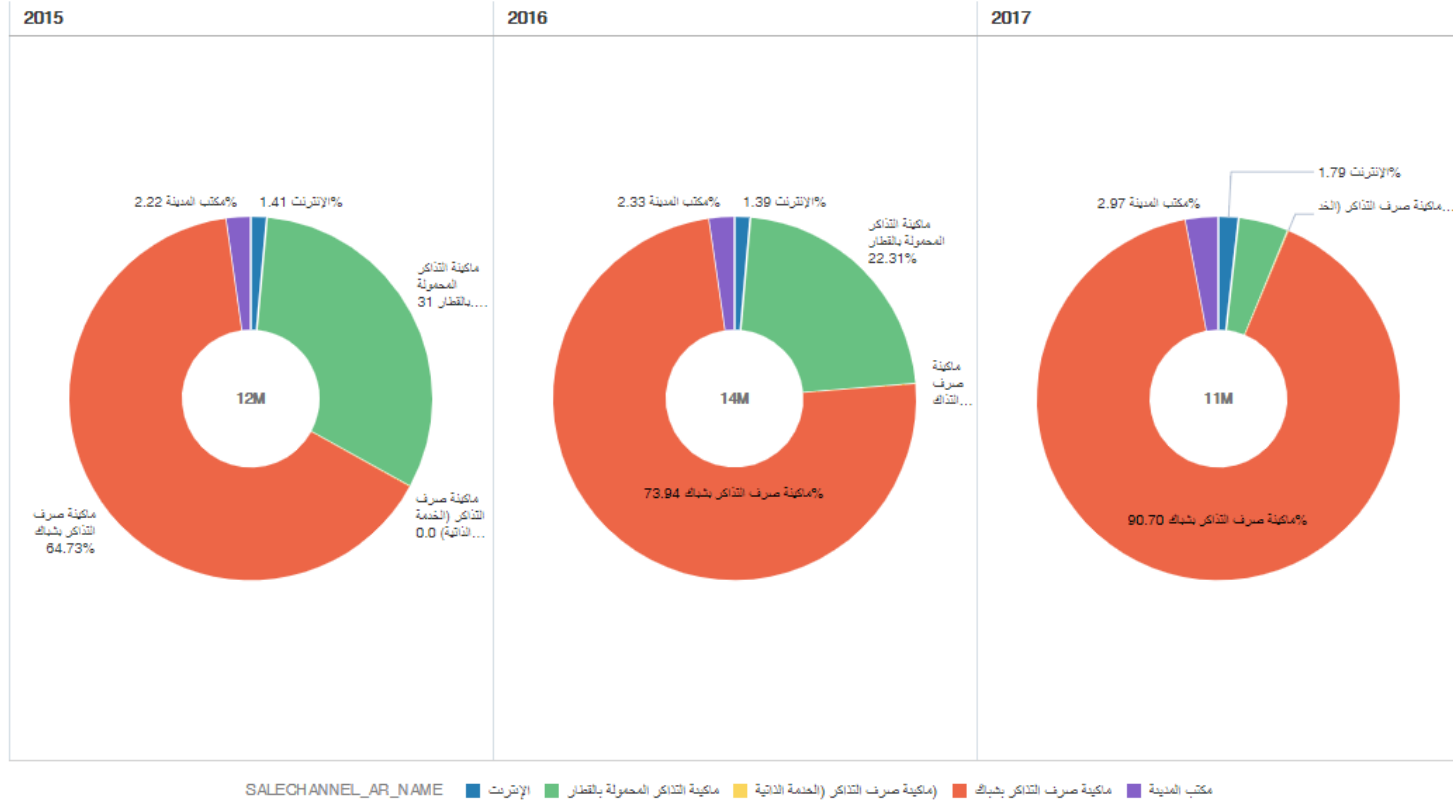
Heat Maps



Heat Maps, weather maps, wind direction
life-feed presentation of data

بيانات تحميلية المصفوفات إحصائيات الإيرادات الركاب الرحلات

نسب الحجز من قنوات البيع المختلفة



Intelligent reports and dashboards

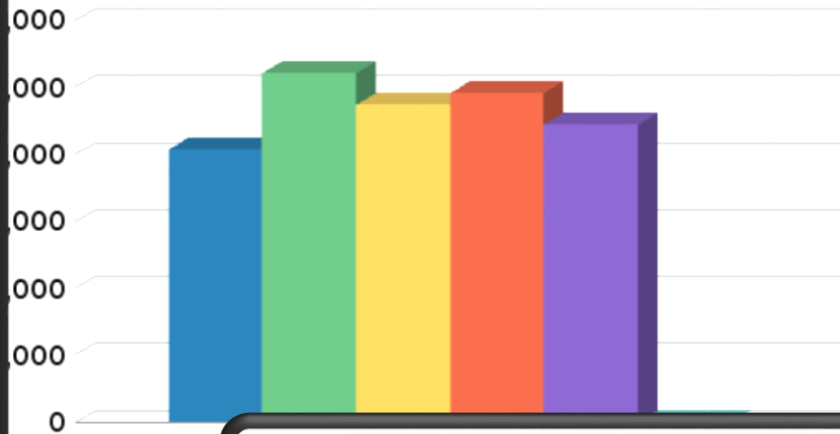
بيانات تطبيقية المصفوفات إحصائيات الإيرادات الركاب الرحلات

حركة الركاب من محطة الى محطة لكل سنة

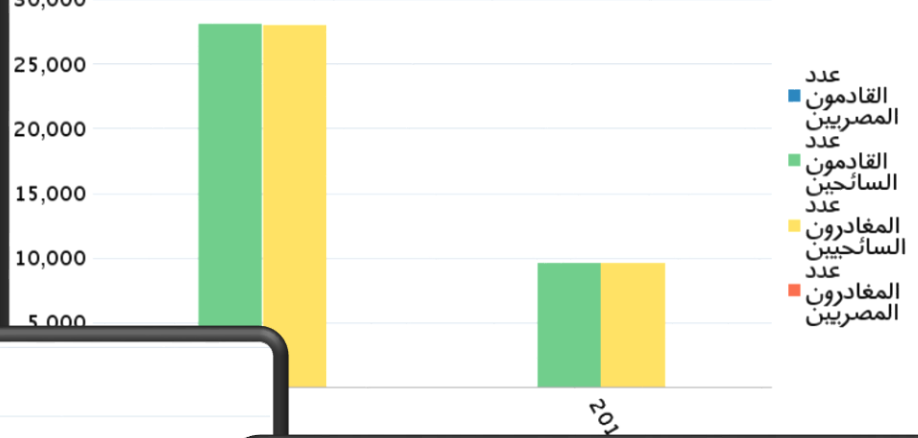
		القاهرة	طنطا	الاسكندرية	سيدي جابر	الزقازيق	المنصورة	بنها	اسوان	اسيوط	الجيزة	دمشهور	المحلة الكبرى	منوف	ج
القاهرة	2015		606,078	847,743	783,705	168,119	92,714	270,428	301,868	408,034		207,873	11,485	15,623	2
	2016		805,059	1,057,624	958,660	273,502	136,839	361,129	523,877	570,149		259,797	220,664	31,280	3
	2017		691,391	1,005,351	928,569	251,668	124,239	221,724	629,594	508,904		201,223	215,873	30,475	3
الاسكندرية	2015	1,542,251	448,020			37,950	80,223	135,981	35,066	26,965		68,213	1,956	7,472	
	2016	2,033,953	566,903			46,477	108,326	171,755	42,206	32,366		98,972	102,037	2,414	
	2017	1,956,386	509,133			41,612	106,581	153,787	68,143	31,243		97,020	95,537	10,038	
طنطا	2015	508,845		278,015	254,941	54,650	124,818	118,439	2,081	2,164		137,321	59,731	70,330	
	2016	711,639		355,449	277,176	62,890	174,134	130,050	2,402	2,023		150,436	373,979	103,219	
	2017	620,841		316,713	199,125	46,443	136,509	69,440	2,172			83,164	465,804	99,048	
الزقازيق	2015	167,977	61,063	32,820	9,600		24,053	67,254				5,038			
	2016	284,617	71,516	40,735	5,981		32,805	78,040				4,749			
	2017	270,219	51,635	38,525	3,003		30,854	46,791				2,592			
اسوان	2015	349,957	4,463	40,722	7,345					63,263	83,138				
	2016	559,191	9,111	68,812	9,799					100,750	124,787				
	2017	669,917	9,490	100,731	10,154					105,951	135,953				
بنها	2015	265,714	90,926	63,222	61,376	70,653	9,118					31,685	2,649	211,735	
	2016	353,794	107,784	80,637	54,832	84,422	13,601					32,746	16,783	283,223	
	2017	190,639	59,108	73,124	37,608	59,276	11,844					17,485	15,558	197,005	
اسيوط	2015	295,287	3,303	16,328	4,623				70,596		124,068	2,384			
	2016	412,536	3,060	26,827	2,276				87,558		165,754	2,063			
	2017	383,229		28,086					92,103		127,806				

Analytical views of historical data

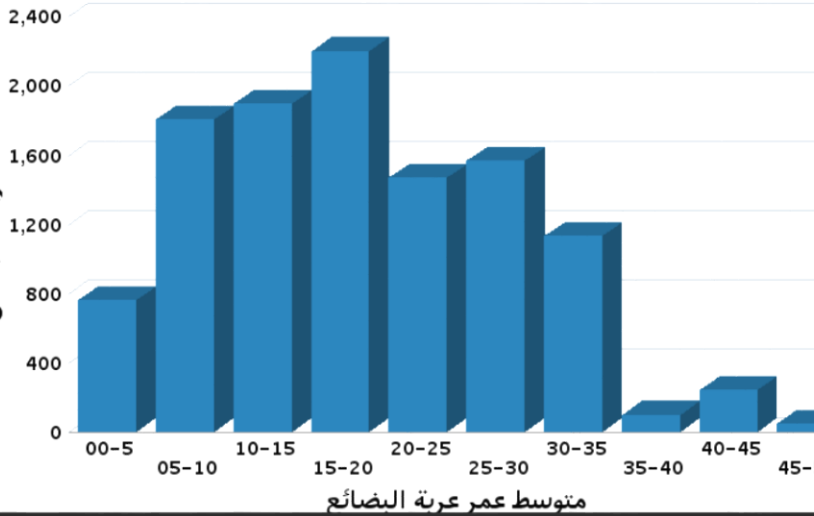
وزن البضائع المتداولة بالآلف



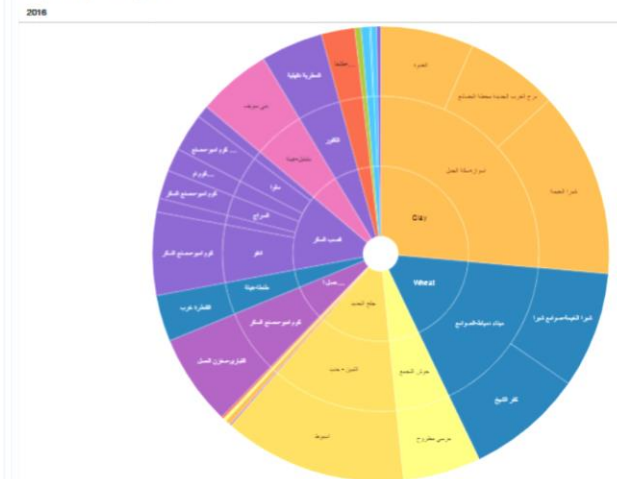
عدد الركاب القادمون و المغادرون
30 000



عدد عربات البضائع



جستار منقولہ ہر ضلع سے منسلک ہے



TELENAVIS

**Thank you
Questions ?**

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