























Infrastructure Focus Sector Roundtable UAE infrastructure development: current and future strategies and projects

























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Mr. Vincenzo Ercole

Head of International Commercial & Institutional Relations for Italian Infrastructure Ind.

ANCE



The Italian Construction Companies in the World

Vincenzo Ercole Salazar Sarsfield

Italian Contractors' Association

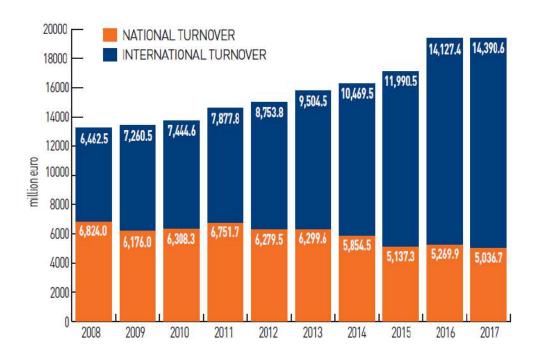
TOP ITALIAN INTERNATIONAL CONTRACTORS

(Million euro)

Rank 2017	Firm	International Revenues 2017	Total Revenues 2017	New Contracts 2017
1	Salini Impregilo	5,847.6	6,347.8	4,221.8
2	Astaldi	2,325.0	3,060.7	2,372.9
3	Rizzani De Eccher	914.0	1,073.0	636.0
4	Pizzarotti	713.5	1,161.0	596.1
5	Bonatti	704.1	760.8	754.1
6	CMC	655.3	1,118.9	1,299.4
7	Sicim	542.1	545.5	94.6
8	Trevi	526.9	559.8	264.2
9	Ghella	450.0	564.0	231.4
10	Condotte	300 (*)	500 (*)	n.d.
11	Cimolai	289.0	441.0	121.5
12	Renco	211.0	248.0	240.9
13	ICM	181.0	288.8	17.5
14	Grandi Lavori Fincosit	148.0	376.0	203.8
15	GCF	100.0	325.0	1.5
16	Itinera	94.0	400.0	590.2
17	Salcef	65.8	332.0	25.2
18	Italiana Costruzioni	63.3	155.6	71.5
19	MAEG	47.5	81.3	42.0
20	Toto	36.3	150.2	n.d.

ASSOCIAZIONE NAZIONALI

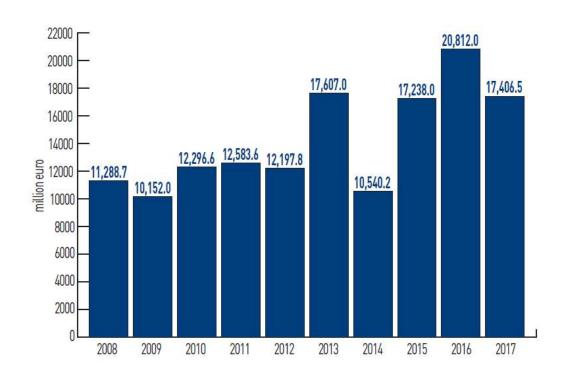
NATIONAL & INTERNATIONAL TURNOVER (2008-2017)



The International turnover represents 74.1% of the total turnover.



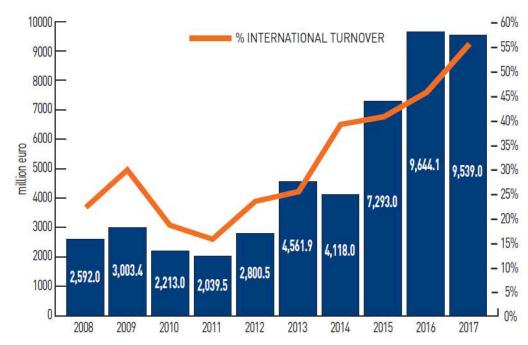
NEW CONTRACTS' VALUE (2008-2017)



New contracts' value reached € 17.4 billion in 2017.



NEW CONTRACTS' VALUE OECD MEMBER COUNTRIES (2008-2017)



The value of new contracts has increased in the developed countries.



ASSOCIAZIONE NAZIONALE

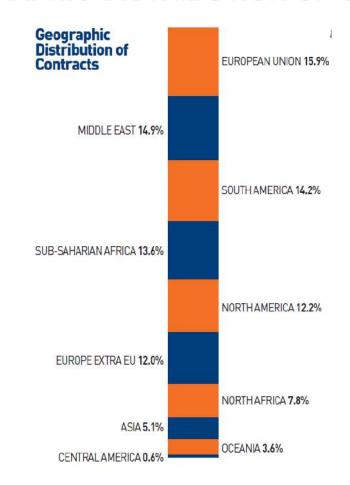
COMPANY SIZE: INTERNATIONAL TURNOVER COMPARED TO TOTAL REVENUES

Company Size in terms % of International % of International of Total Revenues (million euro) Turnover in 2008 Turnover in 2017

UP TO 50	25.2%	26.6%
51-100	7.7%	28.3%
101-250	32.4%	38.1%
251-500	54.6%	40.6%
OVER 500	52.8%	82.7%
TOTAL	48.7%	74.1%

International activities have increased for almost all sizes of companies.

GEOGRAPHIC DISTRIBUTION OF CONTRACTS





ASSOCIAZIONE NAZIONALE COSTRUTTORI EDILI

DISTRIBUTION BY RANGE OF CONTRACTS' AMOUNT

(Million euro)

> 1.000

UNITED STATES **ETHIOPIA** TURKEY SAUDI ARABIA **ALGERIA VENEZUELA AUSTRALIA** FRANCE PERU QATAR LYBIA ROMANIA DENMARK UNITED ARAB EMIRATES RUSSIA CHILE KUWAIT **ARGENTINA** GREECE POLAND NIGERIA COLOMBIA **TAJIKISTAN** SOUTH AFRICA CANADA **MEXICO**

500.1-1.000

AUSTRIA*
KAZAKHSTAN
SWITZERLAND
SWEDEN
KENYA
NORWAY
ZAMBIA
MAI AYSIA

100,1-500

GEORGIA BELARUS* BRASIL CONGO (REP) ISRAEL IRAQ **EGYPT** LA0S ANGOLA SLOVAKIA NAMIBIA ARMENIA LUXEMBOURG MONTENEGRO SINGAPORE VIETNAM **PHILIPPINES** LEBANON TUNISIA CAMEROON* INDONESIA* **GERMANY*** ALBANIA PANAMA ZIMBABWE SIERRA LEONE NFPAI UNITED KINGDOM

MOZAMBIQUE

50,1-100

HONDURAS
INDIA
PAKISTAN
COSTA RICA
UGANDA
SERBIA
GREATER ANTILLES
NICARAGUA
OMAN
BOTSWANA
BELGIUM

₹ 50

CHINA CZECH REP. LESSER ANTILLES **LESOTHO** MOLDOVA **IRELAND** MOROCCO **CAPE VERDE** CROATIA TANZANIA HONG KONG [P.R.C.] HUNGARY MALTA **GUYANA BULGARIA NEW ZEALAND*** SLOVENIA* IRAN*

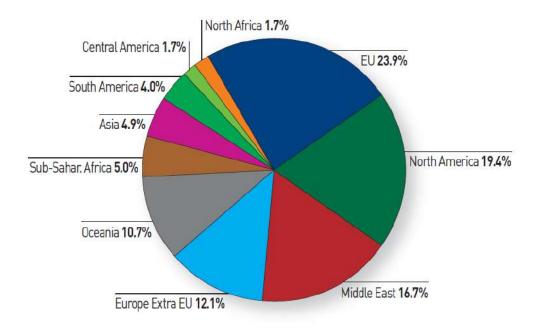
^{*} New Countries in 2017

PRIMARY MARKETS FOR ITALIAN CONTRACTORS

New Contracts in 2017					
1. UNITED STATES 2. AUSTRALIA 3. SAUDI ARABIA 4. ROMANIA 5. UNITED ARAB EMIRATES 6. TURKEY 7. AUSTRIA 8. SWEDEN 9. ZAMBIA 10. BELARUS	3,073.5 1,833.5 1,332.6 1,321.2 1,318.4 1,108.5 972.3 620.0 510.0 468.3				
Total Main 10 Markets in 2017 Total New Contracts in 2017	12,558.3 17,406.5				

Total Ongoing Contracts				
1. UNITED STATES 2. ETHIOPIA 3. TURKEY 4. SAUDI ARABIA 5. ALGERIA 6. VENEZUELA 7. AUSTRALIA 8. FRANCE 9. PERU 10. QATAR	8,003.6 5,499.6 4,881.9 4,826.3 3,449.7 3,366.3 2,929.0 2,895.1 2,854.0 2,620.7			
Total Main 10 Markets	41,326.2			
Total Ongoing Contracts	82,219.2			

GEOGRAPHIC DISTRIBUTION OF NEW CONTRACTS - 2017



New contracts signed in 2017 are concentrated in European Union, North America and Middle East.

ASSOCIAZIONE NAZIONALE COSTRUTTORI EDILI

CONTRACTS' AVARAGE AMOUNT BY GEOGRAPHIC AREA (Million euro)

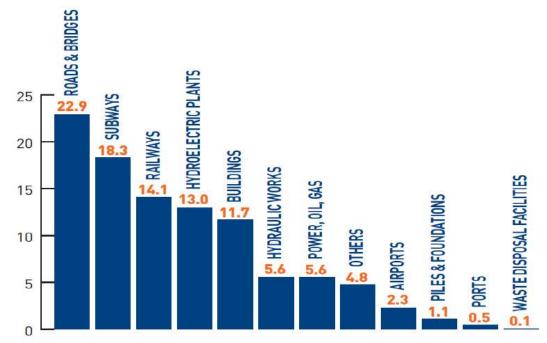


Major works are located in Oceania and Europe Extra EU.

Average amount is € 101.0 million.



AMOUNT OF CONTRACTS PER SECTORS (% ON TOTAL REVENUES)



The majority of the companies undertakes complex infrastructures such as roads, bridges, subways, railways and hydroelectric plants.

SUMMARY

	Construction Sites n.	Value of Contracts million euro	Contracts' average amount million euro	Backlog
CONSTRUCTION				
New Contracts in 2017	298	17,406.5		11,999.1
Total	811	82,219.2		51,333.0
CONCESSIONS				
New Concessions in 2017	2	420.3		
Total	19	25,484.2	1,341.3	

Italian contractors are running 811 construction sites internationally for € 82.2 billion. Value of concessions are approximately € 25.5 billion.

ITALIAN CONTRACTORS IN THE WORLD

NORTH AMERICA 10,033.7	Venezuela	Kenya	Germany	Norway	Saudi Arabia
Programme and the second	Astaldi	Alma Cis	Bonatti	Condotte	Bonatti
Canada	CLF	Cme	Edilmac	Ghella	Pizzarotti
Astaldi	Ghella	ICM	Greece	Trevi	Rizzani De Eccher
Bonatti	Salini Impregilo	ltinera	Bonatti	Russia	Salcef
Mexico	Trevi	Lesatho	Condotte	Astaldi	Salini Impregilo
Bonatti	1 0000	Cmc	Ghella	Cimolai	Trevi
Edilmac	NORTH AFRICA 6,392.1	Mozambique	Edilmac	Pizzarotti	United Arab Emirates
Ferretti Industrial serv.	The second district of the second sec	Bonatti	Renco	Rizzani De Eccher	Cimolai
United States	Algeria	Cmc	Salini Imoregilo	Serbia	Ghella
Astaldi	Astaldi	Renco	Hungary	Condotte	Itinera
Cimolai	Bonatti	Trevi	Bottoli	Ibi	Pizzarotti
Cmc	Cimolai	Namibia	Cimolai	Italiana Costruzioni	Rizzani De Eccher
Condotte	Cipa	Cmc	Ireland	Switzerland	Salini Impregilo
Donati	CLF	Satini Imoregito	Sicim	Cimolai	Trevi
GL Fincosit	Cmc	Nigeria	Luxembourg	Coneis	11041
Pizzarotti	Condotte	Salini Impregilo	Bonatti	Condotte	ASIA 4.215.3
Salini Impregite	Europea 92	Trevi	Cimolai	Edilmac	Marchett Shared
Trevi	GL Fincosit	Sierra Leone	Rizzani De Eccher	GCF	Armenia
	lbi	Satini Impregito	Malta	Pizzarotti	Renco
CENTRAL AMERICA 490.7	Nessi & Maigcchi	South Africa	i Ibi	Rizzani De Ecchec	China (P.R.C.)
Costa Rica	Rizzani De Eccher	Cmc	Poland	Salini Impregito	Crnc
Ghella	Secap	Salini Impregilo	Astaldi	Turkey	Mont-ele
Graeter Antillas	Salini Impregilo	Tanzania	Cipa	Astaldi	Hong Kong (P.R.C.)
Salini Impregito	Sofingi	Gilardi	Pizzarotti	Condotte	Trevi
Guyana	Trevi	Uganda	Salini Impregilo	GCF	India
Icop	Egypt	PAC	Toto	Salini Impregilo	Crnc
Honduras	Bonatti	Salini Impregilo	Romania	Sicim	GL Fincosit
Astaldi	Cipa	Zambia	Astaldi	Trevi	Salcef
Ghella	Cmc	Cmc	Bonatti	11.001	Indonesia
Lossor Antillas	Salcef	Zimbabwe	Cipa	MIDDLE EAST 12.202.4	Astaldi
GL Fincosit	Trevi	Salini Impregilo	Condotte		Kazakhstan
	Lybia	Dataminiprogram	COSEDIL	Iran	Bonatti
Nicaragua Astaldi	Bonatti	EUROPEAN UNION 13,052.8	ICM	Ferretti Industrial serv.	Renco
	Cmc		Itinera	Iraq	Sicim
Panama Astaldi	Condotte	Austria	Pizzarotti	Bonatti	Laos
	Conicos	ltinera	Salcef	GL Fincesit	Crnc
Cogeis	I ICM	Trevi	Salini Impregilo	Sicim	Trevi
Sarep	Pizzarotti	Vezzola	Sedir	Trevi	Malaysia
Irevi	Renco	Belgium	Slovakia	Israel	Icop
PROPERTY OF THE PROPERTY OF TH	Salini Impregito	Ferretti Industrial serv.	Bottoli	Edilmac	Salini Impregilo
SOUTH AMERICA 11,659.6	Morocco	Bulgaria	Satini Impregilo	Pizzarotti	Nepal
Argentina	CLF	Salcef	Slovenia	Kuwait	Crnc
Cmc	GCF	Croatia	Mont-ele	Condatte	Pakistan
Ghella	Mont-Ele	MAEG	Sweden	Pizzarotti	Crnc
Salini Impregilo	Tunisia	GL Fincosit	Astaldi	Rizzani De Eccher	Singapore
Trevi	Pellegrini	Czech Rep.	Cmc	Salini Impregito	Cmc
Brasil	Salini Impregilo	Toto	Vianini	Trevi	Icop
Ghella	Sedir	Denmark	United Kingdom	Lebanon	Tajikistan
Salini Impregito		Cipa	Cimolai	Cmc	Salini Impregilo
Chile	SUB-SAHAR AFRICA 11,102.3	CLF	Donati	ICM	Vietnam
Astaldi	Angola	lcop	Donau	Italiana Costruzioni	Ghella
Cimolai	Cmc	Itinera	Company of the Compan	Oman	Rizzani De Eccher
Crnc	Sicim	Mangiavacchi Pedercini	EUROPE EXTRA UE 9,848.8	ICM	The second of th
Edilmac	Botswana	Nessi & Maiocchi	Albania	Trevi	OCEANIA 2,930.4
GL Fincosit	Cimolai	Rizzani De Eccher	Condotte	Qatar	Australia
Trevi	ltinera	Salini Impregilo	Renco	Cimolai	Gheila
Colombia	Cameroon	France	Belarus	Condotte	Rizzani de Eccher
Rizzani De Eccher	Pizzarotti	Cimolai	Rizzani de Eccher	ICM	Salini Impregilo
Salini Impregito	Cape Verde	Cipa	Georgia	Italiana Costruzioni	Trevi
Trevi	ICM ICM	Cogeis	Astaldi	MAEG	New Zealand
Peru	Congo (Rep)	Condotte	Salini Impregilo	Rizzani De Eccher	Trevi
Astaldi	Renco	Edilmac	Moldoya	Salini Impregilo	i irevi
Pizzarotti	Renco Seas	GCF	Pizzarutti	Trevi	
Salini Impregito	Sicim	Ghella	Montenegro	RAD 004-939	
Sicim		lcop	Pizzarotti		
Section 1	Ethiopia	Dizgarotti	\$2.0004.00000000000000000000000000000000		

























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The support of SACE (Italian ECA) in the UAE

Federica Pocek Senior Relationship Manager



INFRASTRUCTURE UAE infrastructure development: current and future strategies and projects

Dubai, April 15th 2019

History and company profile

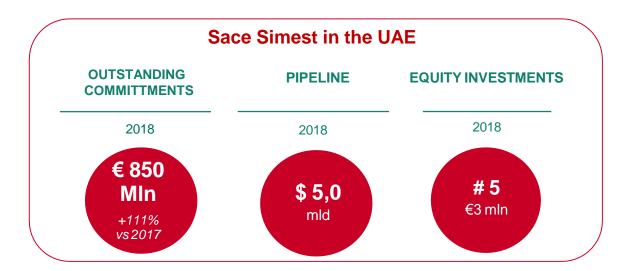
- SACE is the Italian Export Credit Agency, that jointly with Simest forms the Export and Internationalization Hub of Cdp, the state owned entity that promotes the development of the Italian industrial system
- Sace Simest support Italian companies with a wide range of insurance and financial products: export credit, investment protection, financial guarantees, surety bonds, factoring, equity investments and soft loans
- with a € 114 billion transaction portfolio, Sace Simest facilitate the financing of large projects involving an Italian procurement, providing foreign buyers with competitive finance/ payment terms





UAE a strategic area for Sace Simest

- UAE represents a focus market for our activities due to huge Governments investing in infrastructures, urban development and industrial diversification
- Sace Simest was the first ECA to open an office in Dubai, a strategic hub for reaching out business opportunities all over the MENA regional hub for the GCC and North Africa countries
- UAE selected among pioneer markets to promote our "Push Strategy"





Case studies - Infrastructures

Ministry of Transportation - Perù

•Export Credit Facility of €800 mln entirely covered by SACE granted from Cdp, KfW IPEX-Bank, Banco Santander, Société Générale and ICO destined to the construction from the Consortium Metro 2 - participated by Ansaldo STS and Salini Impregilo - of the new metro line Lima-Callao

Ministry of Health - Turkey

Export Credit Facility of € 125 mln entirely covered by SACE granted in Project Financing by a pool of international banks for the construction on a BOT basis of a 3500 beds hospital campus in Ankara, commissioned by the Turkish Ministry of Health

National Grid - UK

•Export Credit Facility of € 520 mln 90% covered by SACE granted by a pool of international banks for the design, supply and installation of a submarine cable interconnecting UK and Norway energy grids with a capacity of 1400 MW, part of a project valued at €2.0 bn









Sace Simest: enhancing trade and investment opportunities in the UAE

SOCIAL INFRASTRUCTURE TRANSPORTATION



\$ 300 mln

CDP group's first initiative in the infrastructure in the SACE UAE. influelings backed make-utpy provided by SIMEST

€ 120 mln

SACE has guaranteed Italian sub-supplies for € 120 million to expand the Dubai metro network toward Expo 2020



Letter of Interest to Etihad Rail Network to support the project



Letter of Interest to Al Maktoum Airport/DACC: €1.0 billion credit line for purchasing Italian goods and services for the construction of Dubai South

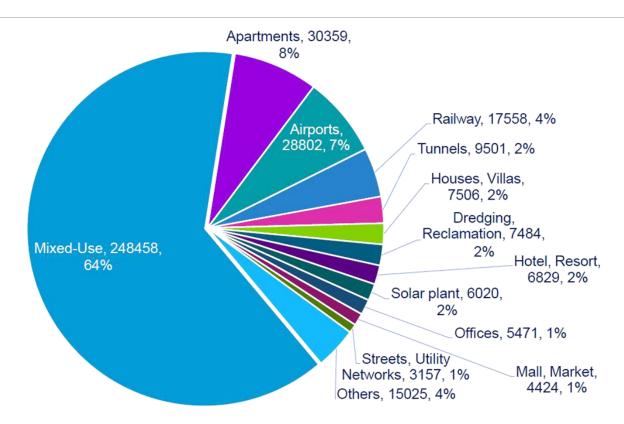


Letter of Interest to UAE
Department of Finance to
support up to \$1.0 billion for
projects connected to the Expo
2020 site involving Italian
suppliers

Construction of Italian
Pavillion: a MOU with General
Section Commissioner for Expo
Dubai 2020 to build Italian
Pavillion

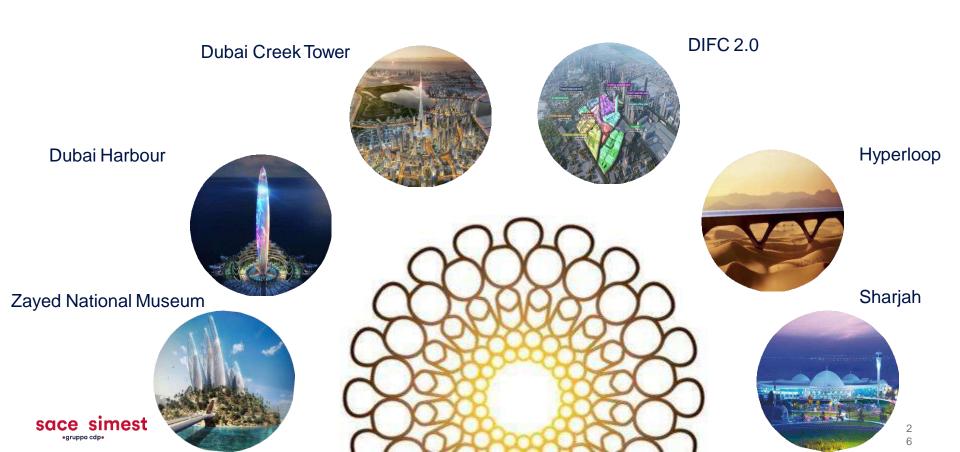


Some highlights on the infrastructure projects in the UAE





Connecting mind, targeting the infrastructure



Focus on Expo 2020 Dubai





International

Visitors



200+ International **Participants**



300,000 Site Capacity



Weekday 131,000 Weekend 173,000



Days



Expo Hours 10:00 to



Overnight Service Hours



204 Country & Cooperate Self-Built, Rented and **Assisted Pavilions**



Shade/Canopy structures **12 Km**



400+ **Buildings**



171 Tonnes of Waste per Day



Iconic **Pavilions**



Trellis 150mts width and 70mts high

Al Wasl



200+ Food outlets



85% Waste Recycled &

Reverted from Landfill





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Presentation of Italian technologies and projects

























Roberto Nassi Head of Branch Dubai of MM

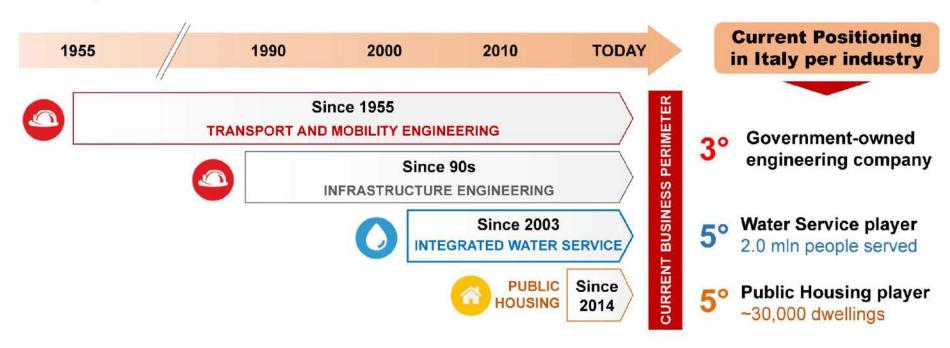
Dubai

UAE Mission, April 15th, 2019



MM Spa

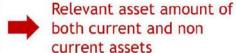
MM SpA The Company at a glance

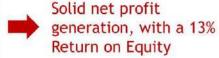


Thanks to its core engineering competences, MM has progressively increased its multi-infrastructure business perimeter

MM SpA Economic and financial data

Sr No.	Description	Financial Data 2016	Financial Data 2016 (Euro - EUR)	
51 NO.	Description	(Indian Rupees - INR)		
		1€ = 71.5935 ₹		
1	Total Assets	44.276.786.082	618.447.012	
2	Current Assets	33.892.263.099	473.398.606	
3	Total External Liabilities	26.090.791.643	364.429.615	
4	Current Liabilities	20.068.783.643	280.315.722	
5	Annual Profits Before Taxes	2.185.265.010	30.523.232	
6	Annual Profits After Taxes	1.307.520.037	18.263.111	
7	Net Worth [= 1 - 3]	10.384.522.983	145.048.405	
8	Liquidity [= 2 - 4]	6.022.007.927	84.113.892	
9	Return on Equity	13%	13%	
10	Annual turnover (from consultancy)	2.287.770.293	31.955.000	
11	Gross Annual turnover	15.504.335.325	216.560.645	









MM SpA Key economic indicators across 2015-2017 period

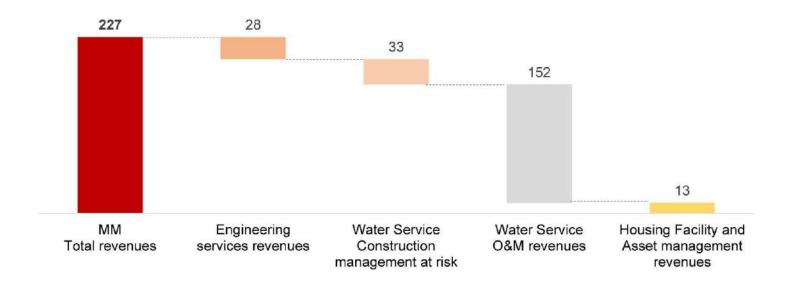
Key economic & financial data

Data	Unit	2015A	2016A	2017A
Revenues	€mln	225	217	227
EBITDA	€ mln	48	50	55
EBITDA Margin	%	21%	23%	24.5%
EBIT	€ mln	35	37	41
Margin	%	15%	17%	18.0%
Net Debt	€ mln	95	140	137
Leverage	×	2.0x	2.8x	2.5x
Equity	€ mln	127	145	178
D/E	x	0.7x	1.0x	0.7x



MM has a sound
economic performance,
consistent over time,
with more than € 200
mln turnover, € 35 mln to
€ 41 mln EBIT and a
limited debt leverage
with respect to its Equity

MM SpA 2017 revenues breakdown per kind of activity (€ mln)



All of MM revenues come from services related to infrastructure construction or management

MM SpA An experienced company working with financial institutions







Engineering, PMO Metro-Rail Corporation 100% Share

METRO RAIL CORPORATION CAPABILITIES



METRO NETWORK

- 4 operating lines (M1, M2, M3, M5)
- 101,3 km network length
- 113 stations
- 10.720 37.500 pphpd
- over 1,3 M ppd
- almost 500 M ppy

RAILWAY NETWORK

- · 6 main fundamental railways
- · Main Italian HSR node
- 4 stations served by HSR:

 a central terminus,
 a central going-trough and
 two gate stations
- · Excellent connection with metros and local









EUROPEAN METRO NETWORKS						
Rank	City	Stations	km	Lines		
1	London	382	460	11		
2	Paris	303	220	16		
3	Madrid	292	290	13		
4	Moscow	195	325	12		
5	Berlin	173	146	10		
6	Barcelona	165	124	11		
7	Milan	113	101	4		
8	Wien	104	79	5		
9	Munich	100	101	8		
10	Stockholm	100	110	3		

MRT

2010: 3 lines, 79 km, 88 stations

2015: 4 lines, 101 km, 113 stations

2022: 5 lines, 118 km, 136 stations

2025: 5 lines, 135 km, 151 stations

2035: 6 lines, 158 km, 165 stations

RRT

· 2015: 12 lines, 403 km, 125 stations

· 2025: 17 lines, 470 km, 138 stations

+42% lines,

+28% in 5 years, 2010-2015

+50% in 12 years, 2010-2022

+10% st.

- +17% km,

Main Regional Stations Only suburban Stations

High Speed Stations







EUROPEAN METRO NETWORKS						
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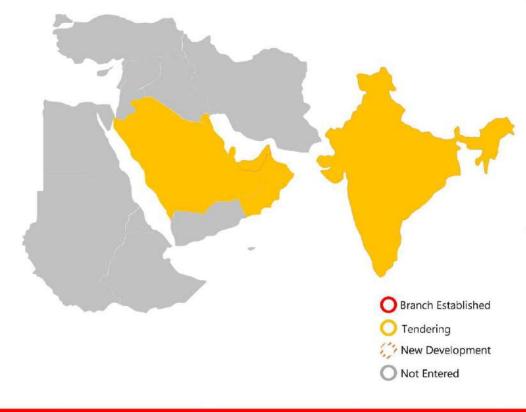
Main Regional Stations Only suburban Stations

High Speed Stations



2

Dubai Branch - SAME Region



UAE

Dubai

Expo 2020 - Total #18 Tender Submitted

4 Tender Shortlisted # 2 Tender Awarded

RTA - #1 Tender support for International JV

Green Line Extension

Abu Dhabi

Etihad Rail - #2 Pre Tender Service

KSA

Ryihad Metro – #3 Consultancy Services Makkah Metro - #1 Invitation to tender

OMAN

MUSKATE -#2 Tender Submitted
SALALAH -#1 Tender Submitted
DUQM -#2 Tender Submitted
SOHAR -#1 Tender Submitted

INDIA

#18 Tender Submitted # 4 Tender Shortlisted # 2 Tender Awarded



























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Manuel Giros Vice President Middle East Railway of Ansaldo STS



Hitachi Rail STS in the UAE

Information Note

04/15/2019

Manuel Giros

Europe, Middle East & Africa Business Unit Hitachi Rail STS



Hitachi Rail STS in the UAE

Information Note

04/15/2019

Manuel Giros

Europe, Middle East & Africa Business Unit Hitachi Rail STS

1-1 Hitachi Rail STS Business in the UAE



Hitachi Rail STS is present in the UAE with an established Branch owned 100% by ex Ansaldo STS S.p.A.

Hitachi Rail STS has already delivered in 2015 the First Railway Project named Etihad Rail Stage1 in Abu Dhabi region and currently is supporting the Operator in the maintenance of Signalling and SCADA subsystems.

Etihad Rail is the national freight and passenger railway network connecting the seven emirates of the United Arab Emirates (UAE). The 1200 km network is being built in three phases.

Etihad Rail's 1200 km network is being built in three stages to link the principal center of population and industry of the UAE, as well as to form a vital part of the wider Gulf Cooperation Council (GCC) railway network.

1-2 Hitachi Rail STS Business in the UAE



The first stage, which is complete, is the 264-kilometre route linked the Shah gas field with the port and refinery of Ruwais. The second and largest phase will connect the railway to Khalifa Port in Abu Dhabi, Jebel Ali Port in Dubai, and to the Saudi and Omani borders, a distance of about 650km. The final stage will be a 279km extension to the northern emirates Fujairah, Ras Al Khaimah and Sharjah.



1-3 Hitachi Rail STS Business in the UAE



In Etihad Rail Stage1 Hitachi rail STS performed the Design, Built and Commissioning the following subsystems: Signalling ERTMS 2, Telecom and SCADA for 250 km of railway.

In January 2019 Hitachi Rail STS has submitted the prequalification documents for the new Tender of Ethiad Rail Stage 2.

Etihad Rail Stage 2 is the second phase of Railway Network from Ruwais to the border with Saudi Arabia as well as to Khalifah Port, Jebel Ali Port and Fujairah, including facilities for 603 km length (as mentioned above, the First phase of the project Shah-Habshan-Ruwais is already in revenue service and System Package was provided by Hitachi Rail STS).

- EPC Contract
- Final Customer: Etihad Rail Company
- Budget Estimated : 250 to 400 M€

1-4 Hitachi Rail STS Business in the UAE



Tender Steps

PQ Submission: 15-Jan-2019 (submitted)

Bid Starting Date: Feb 2019

Bid Closing Date: May 2019

Contract Award: End of 2019

Client Targeted Project Completion Time: 3 years

Competitors

Alstom – Bombardier - Siemens - Thales

2-1 Ethiad Rail Stage 2 SoW and Hitachi Rail STS Strategy



During the Tender and even in the case of Project Award the Project will be managed by the Italian legal entity of Hitachi Rail STS Top Management will be Italian.

The Design will be developed and approved by the Italian team allocated in the main offices of Napoli and Genova with local support of local engineers.

- <u>Signalling System</u> is the core business of Hitachi Rail STS and we will use the equipment made in Hitachi Rail STS factory in Tito (Potenza)
- <u>Telecom & Security Systems</u> (GSM-R, Public Address/Voice Alarm, Master Clock, Passenger Information Service, CCTV, Access Control, SCADA) coordination of Italian engineering department for the shopping around of equipment (involving mainly Italian suppliers)
- <u>Power Supply and Distribution</u>: Coordination of Italian engineering department for the shopping around of equipment (involving mainly Italian suppliers)
- <u>Railway System Integration</u> (100 % performed by Hitachi Rail STS Italian team)

3-1 Support needs



We know that French and other Government Representatives are strongly supporting our competitors, we need to explain to UAE Ministry that Italian Government trusts in Hitachi Rail STS capability to delivery in time with high quality of service this contract. Emirates Representatives have to feel that Hitachi Rail STS is not alone, but it is protected by our Government that has in his agenda to grow up, exporting our engineering competences abroad.



Hitachi Rail STS in the UAE

Information Note

04/15/2019

Manuel Giros

Europe, Middle East & Africa Business Unit Hitachi Rail STS

HITACHI Inspire the Next

























Infrastructure Focus Sector Roundtable UAE infrastructure development: current and future strategies and projects

























Silvia Rossi Manager Clust-ER Build



Emilia Romagna Regione: the clust-ER BUILD

DUBAI 04/15/2019

Silvia Rossi Architect Build Cluster Manager













Emilia Romagna Clust-ER system



Communities of public and private subjects (research centers, companies, training institutions) that share ideas, skills, tools, resources to support the competitiveness of the most important production systems of Emilia-Romagna.

- Develop collaborative projects with a supply chain impact
- Support participation in European research and innovation programs
- Encourage the formation of high skills consistent with the demands of companies





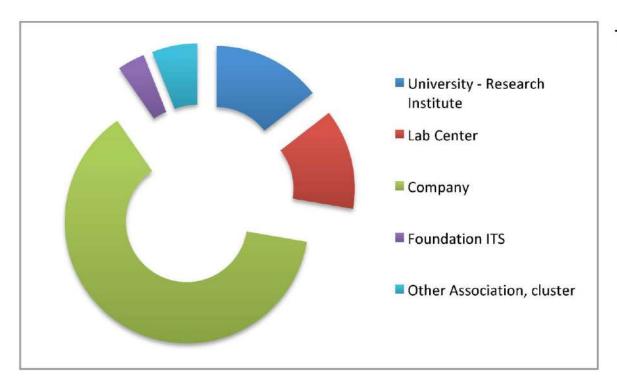


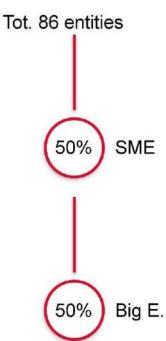






Clust-ER BUILD: who we are







Cluster BUILD: where we are

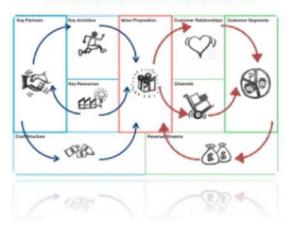


build.clust-er.it



Cluster BUILD: where we want to go

Business Model



Technology Readness



Circular Economy





Cluster BUILD Cores



INNOVA CHM

Conserve and promote the cultural heritage, both historic buildings and the artistic one.

- Smart materials
- Predictive diagnostic
- Digitalized process

GREEN 2 BUILD

Energy efficiency and building sustainability.

- low impact materials (good LCA)
- low CO2 emissions and smart grid
- urban regeneration and cities resilience





SICUCI

Safety in Buildings and infrastructure

- Safety improvement
- Innovative technology
- Smart Management of the infrastructure



Cluster BUILD Best Practice - Infrastructure



INFRASTRUCTURES BRIDGES AND VIADUCTS ROAD/RAIL





RE.SIS.TO



BUILDING ASSESSMENT FOR SEISMIC VULNERABILITY

BUILDING STATIC
ASSESSMENT

MONITOR YOUR GOODS WITH SENSORS



THANKS!

silvia.rossi@build.clust-er.it



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Infrastructure Focus Sector Roundtable UAE infrastructure development: current and future strategies and projects

























Presentation of the Italian Special Economic Zones by

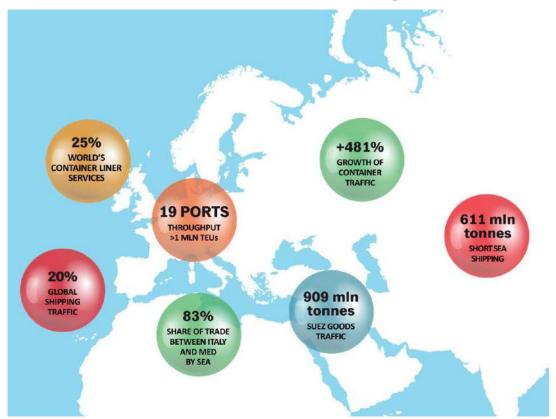
Pietro Spirito

President of Naples Special Economic Zones



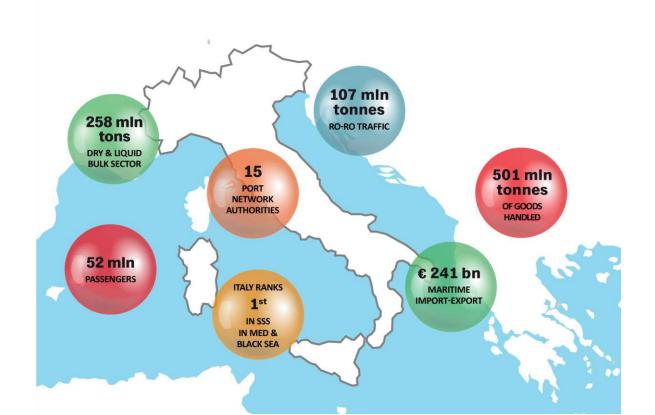


The most important data on the shipping sector in the Med



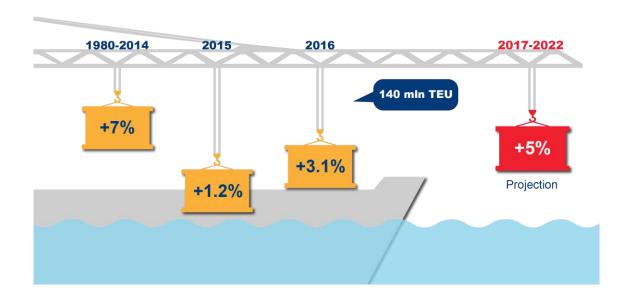


Main ports & Shipping statistics in Italy



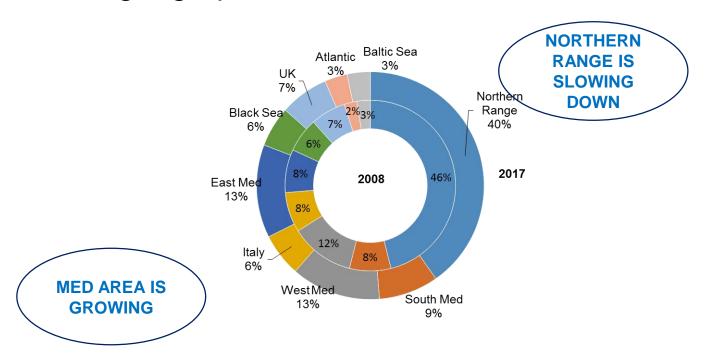


World container traffic reached 140 million TEU in 2016, showing an increase of 3.1% after hitting a low of 1.2% in 2015. The recovery was caused by significantly increased traffic on the Asia-Europe: the projections until 2022 suggest a medium average increase of 5%





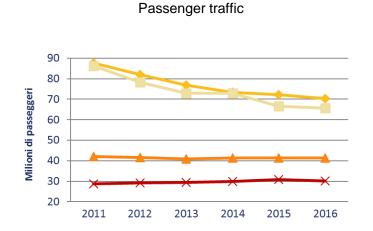
The analysis of container ports by geographic area: the new role of Med



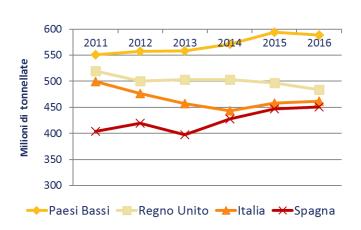
Northern Range market share (40%) is decreased between 2008 and 2017.



In Europe the Italian ports are first for passenger traffic and third for cargo (Eurostat)



Freight traffic



• INVEST

Italian Port Networks - 2017

Total movements: 501.423.074 (+ 1,6%)

di cui:

Liquid bulk: 187.769.189 (+3,3%) Solid bulk: 70.487.125 (-3,4%) Other cargo: 243.166.760 (+1,8%)

Containers (TEUs): 10.651.399 (+0,7%) Passengers (n): 51.264.160 (+5,4%)



SEZ in the Italian legislation

«A geographic area - bounded and clearly identified - located within the national border, also consisting of non-territorially adjacent areas with a functional economic connection, and with at least a port area with characteristics established by EU Regulation n.1315, of December 11, 2013»

(D.L. June 20, 2017, n.91, art. 4, c. 2)

Objective

The creation and launch of a SEZ is important to stimulate the growth of an industrial and logistics hub and to *attract*



logistics hub and to attract
Foreign Direct Investments.

The *objective* is to switch from supply-side economics - heavily characterized by support initiatives benefiting entire industries - with an approach based on development factors, through integrated tools available at a regional and national level.



Benefits

Companies operating within the Special Economic Zone gain benefits in terms of:

- -Streamlined customs processes;
- -Fiscal breaks;
- -Financial advantages;
- -Semplified administrative procedures.

The goal is to promote the growth of companies already operating within the SEZ area, while attracting new ones.

INVEST IN ITALY

Benefits and time frame

Incentive

Incentives aim to both supporting companies already operating in the area, helping modernize pre-existing production sites as well as developing new industrial settlements capable of leading to the creation of innovative pre-

Simplification

Within the Special
Economic Zone,
companies will benefit
from simplified
administrative and
burocratic procedures
through regional law and
national measures
defined by the law n. 11

Time frame

Investment terms require a minimum of seven-year commitment. SEZ is set to last fourteen years, which can be extended for an additional seven.



Priority, to access benefits, shall be given to:

- ➤ Industries relating to export;
- Innovative products and production processes;
- > Impact on stable employment.



Nation-wide incentives

- > Tax credits on investments up to 50 million Euros;
- Simplified administrative procedures;
- Access to credit.



Tools to simplify development processes

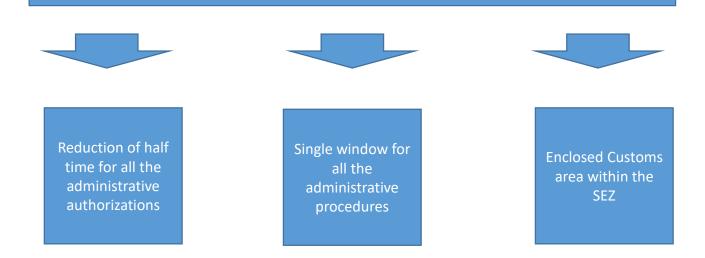
"Newly established companies and pre-existing ones, developing entrepreneurial, economic or investment activities within the SEZ area, may leverage simplified business processes, put forth by regional and national administrations [omissis]..."

(art. 5, co. 1, lett.a) DL 91/2017)



The national law for simplification in SEZ

The recent national law for simplification, approved by the Parliament in February 2019, introduced - in Special Economic Zones - specific tools and administrative advantages for the companies that will invest in the SEZ area





Access to credit

The role of the financial products in order to sustain the initiatives within the Special Economic Zone is a strategic issue.

with Intesa
Sanpaolo Group,
available to finance
entrepreneurial
initiatives within the
Southern Italian
Special Economic
Zones of Napoli,

