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Company Profile

Operative since over a decade in some of Italy's and the world's most prominent construction site, Solidus is a highly specialized Engineering firm which has been supplying key services to the building sector in a growing and innovative sphere of methods and solutions.

The group, led by chief engineer Francesco Del Tosto, operates mainly in the field of particularly complex structures such as Bridges, Viaducts, Tunnels, Harbours, Oil & Gas and Off-shore Platforms, as well as various types of different structures. Preliminary and technical designs take place directly within the company, whereas the construction phases take form through the joint venture with some among the world's most qualified companies in the construction sector.

The company's competences take root in partners Del Tosto's and Tucci's lifelong experiences in the sector, as well as on a trusted staff of younger professionals and consultants. The organisation is such that flexibility and experimentation, along with an ISO-9001 system quality certification under international regulations, allow for the company's ability to cover a diverse array of competences in multi-disciplinary fields of application from the level of mere Consultants to that of General Contractors delivering state-of-the-art turnkey products.

In fewer words, based on the client's needs we find the best allocation for our highly qualified resources.

Mission

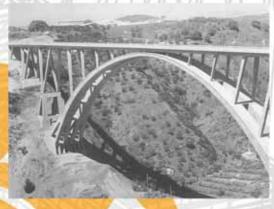
Innovative design and building technique are at the heart of Solidus' modus operandi. Our philosophy is reflected by several experimental project participations and patented inventions, as well as the use of vanguard materials from the chemical and construction supply industries. The final goal is to contribute to a scientifically updated, environmentally compatible and structurally optimized concept of design and construction, the two pillars of the Engineering discipline.





Prior Experiences

Solidus srl . was founded through the joint effort of partners Francesco Del Tosto and Romano Tucci in complementing their experiences matured over numerous decades in the field of civil engineering infrastructures.



Overpass above the Fiumarella,

Catanzaro, Italy, 1960 - '61



Rome, Italy, 2009





Bridge over the Columbia River,

British Columbia, Canada, 1960

Bridge over the Po River,

Piacenza, Italy, 2009





Bridge over the Wadi el Kuff,

Cirenaica, Libya, 1965 - '71

> Bridge over the Palidoro River,

> > Palidoro, Italy, 2004





Romano Tucci (left), and eng. Riccardo Morandi (right), for whom he had served a long-time collaboration.

1965 ca.

Romano Tucci (left), and eng. Francesco Del Tosto (right), co-founders of Solidus srl.

2010

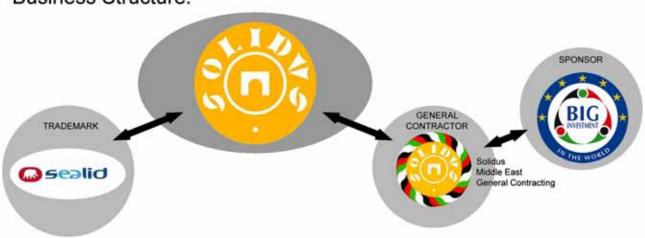


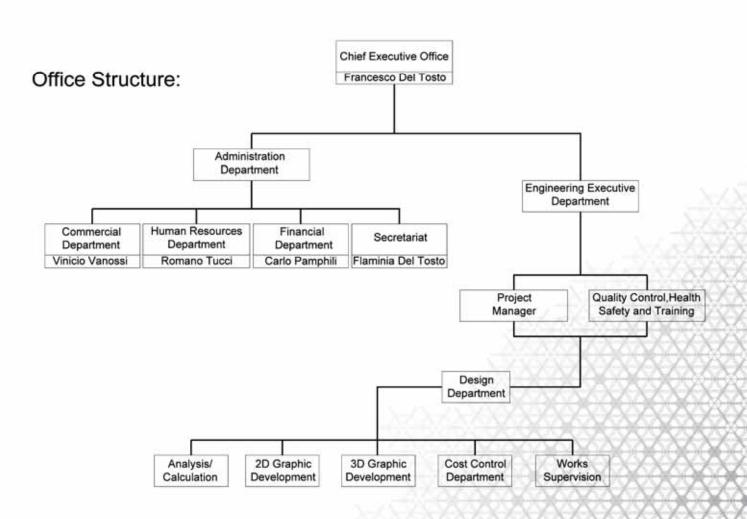






Business Structure:











Areas of expertise



Bridges & Viaducts



Oil & Gas



Harbours & Docks



Hydraulic Structures



Tunnels



Inspection & Rehabilitation



Patents & Research





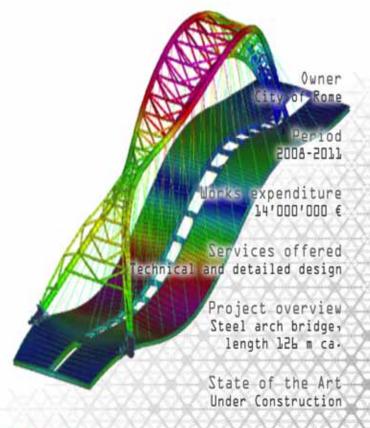
Ostiense Railway Overpass Rome, Italy















Floating Bridge 1 Piacenza, Italy





Owner ANAS s.p.a.

Period 2009-2011

Works expenditure 6'000'000 €

Services offered Turnkey product and management



Project overview
Steel floating bridge with wood deck. Under extreme
urgency: the structure was executed in a 3-month time
lapse and management was undertaken until dismantlement
length 185 m









Floating Bridge 2 Piacenza, Italy



Owner ANAS s.p.a.

> Period 2009-2011

Works expenditure 3'000'000 €

Services offered Turnkey product and management

Project overview
Steel floating bridge with wood deck. Under extreme urgency, the structure was executed in a 3-month time lapse and management was undertaken until dismantlement length 90 m

















Owner Romanian National Company of Motorways and National Roads

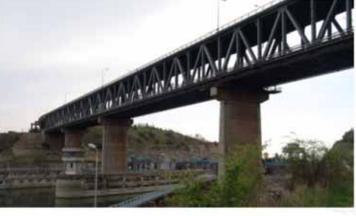
> Period 2008-2011

Works expenditure 8'000'000 €

Services offered Detailed design and works supervision

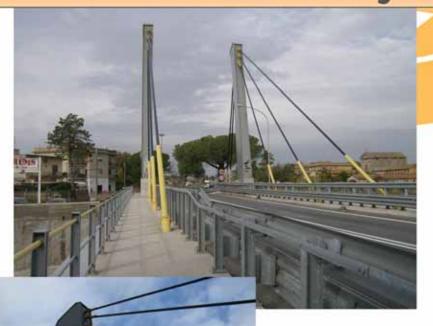
Project overview
Rehabilitation works for Bridge and deck
replacement of the viaducts
over the Cernavoda Waterway; on DN 22C
length 180 + 250 + 130 m

State of the Art Under construction









Stay-Cable Bridge Rome, Italy

Owner •••q·s ZANA

> Period 2004

Works expenditure 3'000'000 €

Services offered Technical and detailed design

Project overview Stay-Cable bridge with concrete-steel deck length 40 m

State of the Art Complete







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Solidus

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Arch Bridge and Viaducts Rome, Italy



Owner City of Rome

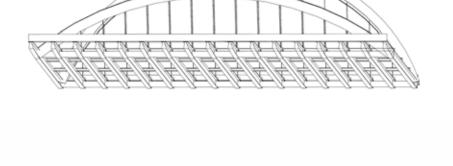
> Period 2007-2011

Works expenditure 6'000'000 €

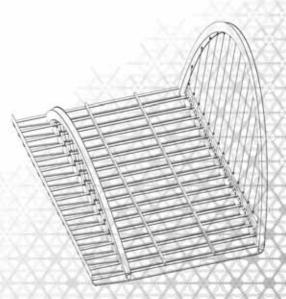
Services offered Technical and detailed design

Project overview Asimmetric steel double arch, steel-concrete deck length 25 + 230 m

> State of the Art Under construction



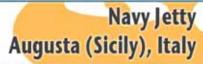








Oil & Gas







Owner Italian Navy

> Period 1996-1999

Works expenditure 13'000'000 €

Services offered Feasibility studies, preliminary and technical design

Project overview
Reticular steel jetty structure
supporting oil pipelines
length 400 m











Marine Dock Trapani, Italy



Owner Port Authority of Trapani

> Period 2005

Works expenditure 15'000'000 €

Services offered Technical and detailed design

Project overview New dock and defense works















Marine Dock Gioia Tauro, Italy





Owner Port Authority of Gioia Tauro

> Period 2003

Works expenditure 20'000'000 €

Services offered Detailed design

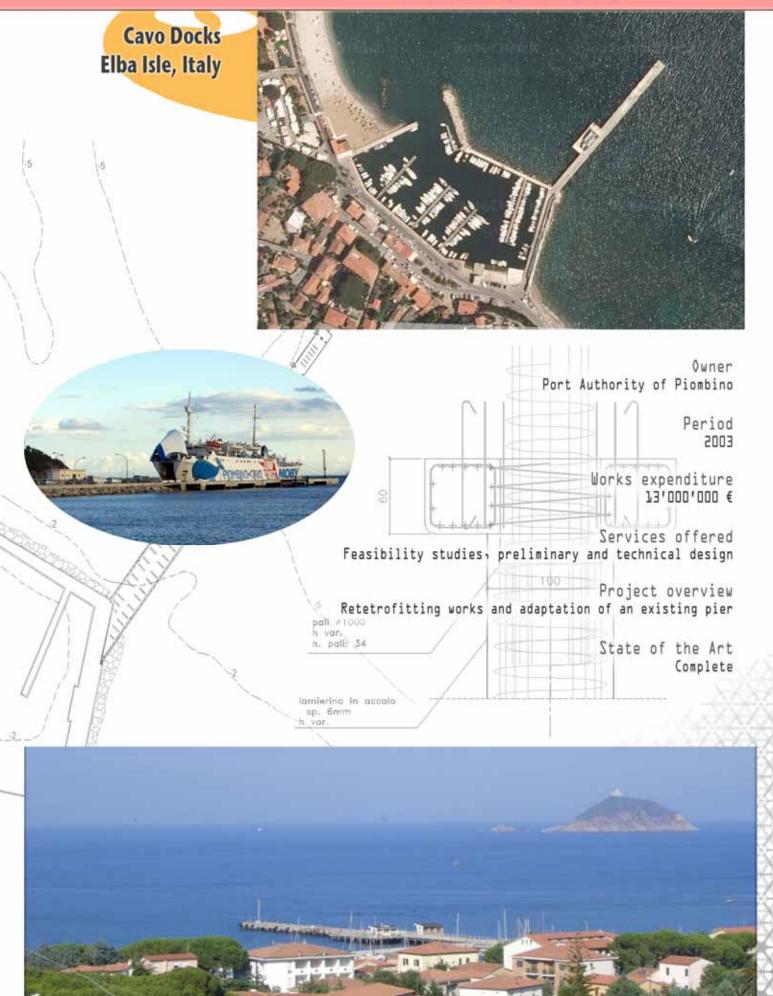
Project overview
Realization of a deep sea wharf in the
Eastern Dockyard

















New Port of Ventotene Ventotene Island, Italy

Owner Local Port Authority

> Period 1992

Works expenditure 15'000'000 €

Services offered Technical and detailed design

Project overview
Realization of new floating concrete docks
and breakwater walls











Hydraulic Structures







Pool Pumps for Cooling Systems Naples, Italy



Owner Port Authority of Naples

> Period 2007-2011

Works expenditure

Services offered Technical and detailed design

Project overview
Sheet pile structured ducts, inlet works,
and pool pumps for the Oriental Docks

State of the Art Under construction







Tunnels

San Giovanni Tunnel Reggio Calabria, Italy





ANAS s.p.a.

Period 2007-2011

Works expenditure 95'000'000 €

Services offered Technical design, consultacies

Project overview
Retro-fitting and adaptation works for the
highway that links Salerno
and Reggio-Calabria

State of the Art Under Construction













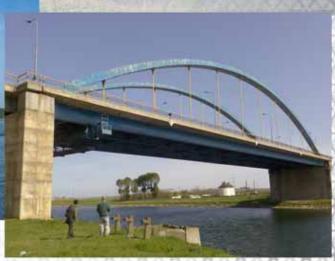


Owner Romanian National Company of Motorways and National Roads

> Period 2008-2011

Project overview
Inspection and rehabilitation works
for 10 bridges and viaducts in the
Constanta Region of Romania







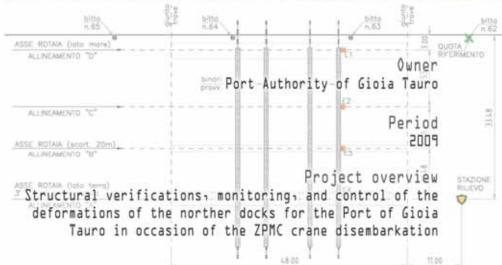


Marine Dock Gioia Tauro, Italy



















Owner Mediterranea Refinery

> Period 1990

Inspection of the reticular steel structure supporting the refinery plant's auxiliary services













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Owner Agip Oil Company

> Period 2003

Project overview
Inspection of the Brass oil
platform

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LIVING & CONTROL DECK

N, Shekard and Robbits of the Westman

Oil Platform Nigeria







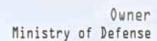








Navy Arsenal Dock Rehabilitation Works Taranto, Italy



Period 2010-2011

Project overview
Rehabilitation works and strengthening of
the docks and pertaining accessories
length 3 km







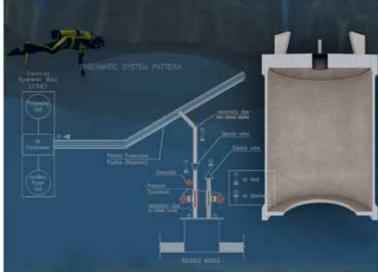






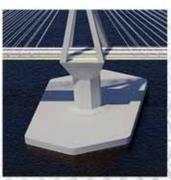
Patents & Research

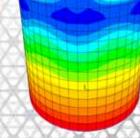










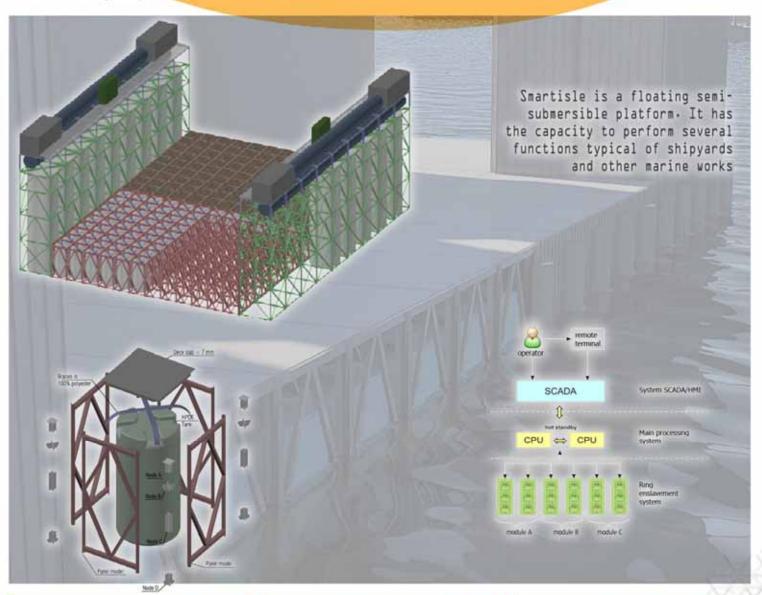






Patents & Research

Smartisle Floating Dry-dock











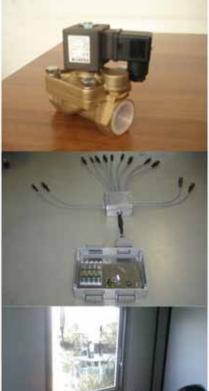




Patents & Research

Active Floating Platform

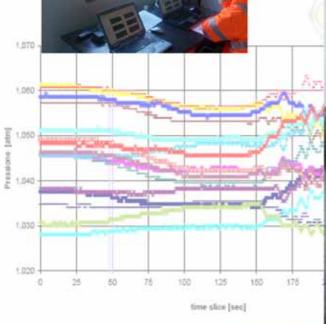






Testing was conducted on a modular floating structure with variable configuration, which allows to provide space, for example, for a floating port terminal adapted for the transfer and storage of containers.

Automation through pressure transducers, radar sensors, loading and unloading electrovalves, compressed air ducts and connecting cables between the various parts of the structure were laid out.







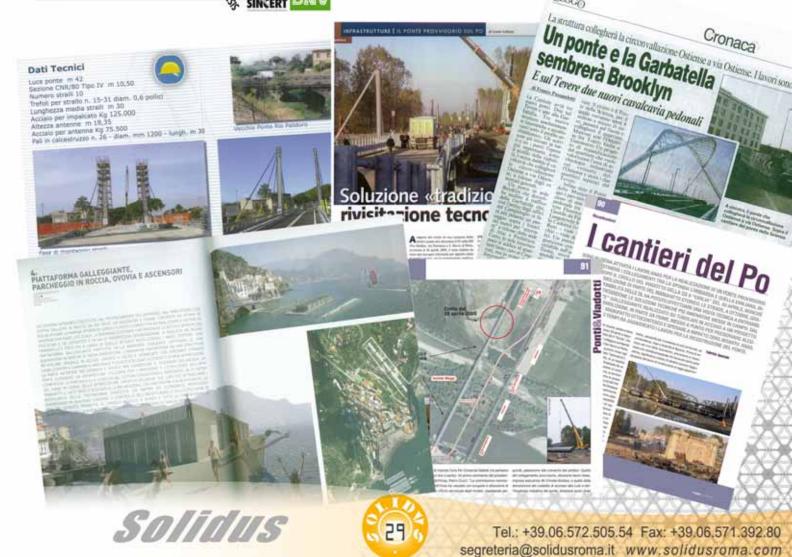


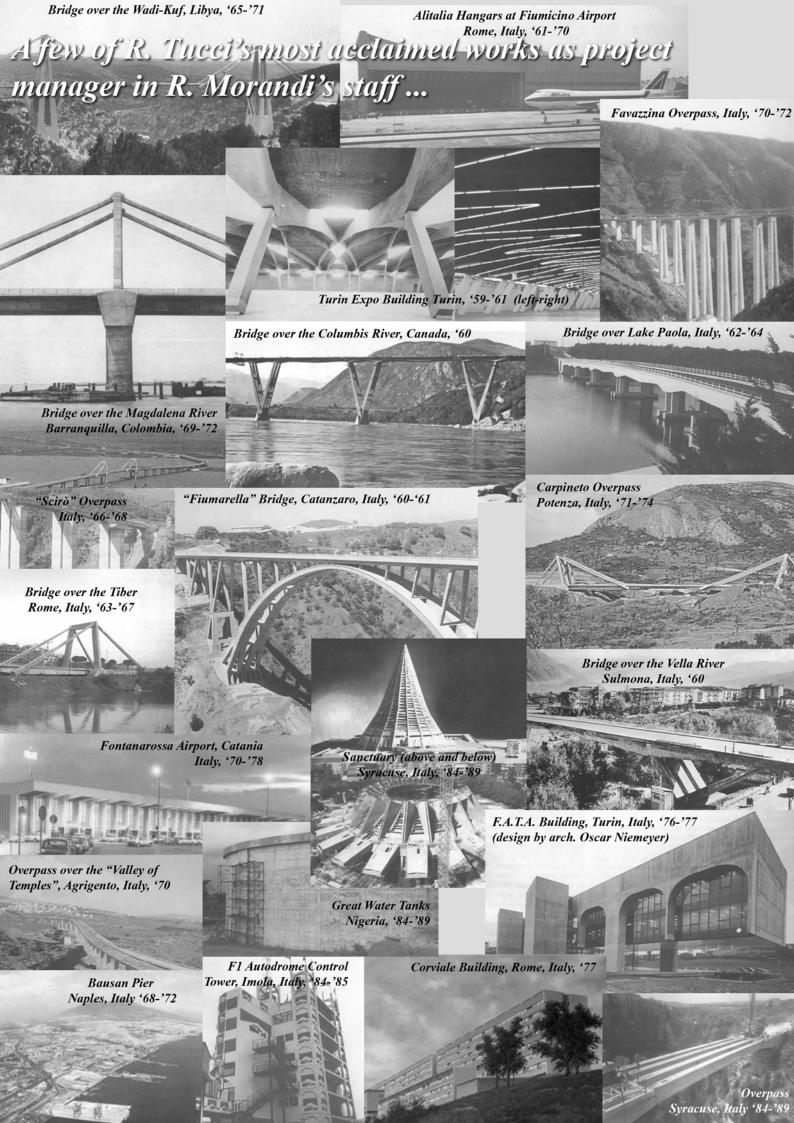
Certifications, Awards and Press Release





"Best Infrastructural Project Award", Real Estate Awards, Milan, 2010









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