

Focus on Change: Planning the Next 20 Years

*Diversifying choices,
increasing opportunities*

25-27 March 2015
RAVENNA, ITALY

OMC 2015

OFFSHORE
MEDITERRANEAN
CONFERENCE
& EXHIBITION

POST SHOW REPORT



ASSOCIATED COMPANIES



A Newpark
Company



HALLIBURTON



Schlumberger



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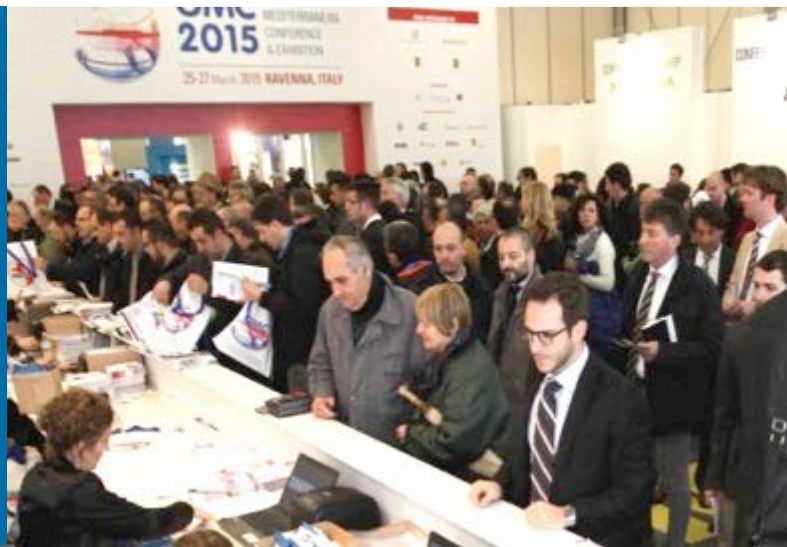
Camera di Commercio
Ravenna



ASSOMINERARIA

www.omc2015.it

RECORD NUMBERS: 18,923 VISITORS



Over three days, a wealth of industry professionals and decision-makers attended OMC to share ideas, new research, innovation and the latest developments impacting the exploration and production activities in the Mediterranean Sea.

Critical issues covered included new technologies and equipment, advances in safety and accident prevention, enhanced recovery methods and deepwater & subsea.

The 12th Offshore Mediterranean Conference & Exhibition (OMC) – which was held at Pala De Andrè, Ravenna – ended on 27th March welcoming a record of 18,923 visitors: representing a substantial rise of 38% year on year. OMC 2015 also welcomed a record number of exhibiting companies this year: 688 in total, more than 30% on the 2013 edition, with attendees representing 33 countries, including Mediterranean states such as Libya, Algeria, Egypt, as well as Sub-Saharan and Middle Eastern states (Congo, Angola, and Qatar). The exhibition floorspace exceeded 25,000 square meters and many major European, North African and Middle Eastern operators were present including: ENI, Edison, Total, Shell, Sonatrach, Qatar Petroleum, EGAS, Croscio, INA and EGPC.



18,923 UNIQUE ATTENDEES

25,142 SQUARE METERS

688 EXHIBITORS

1,285 DELEGATES

Italy strives to lead the world in making onshore & offshore plants safer, through best practices and the use of integrated control systems.

FOCUS ON CHANGE: PLANNING THE NEXT 20 YEARS

*Diversifying choices,
increasing opportunities*

OPENING SESSION

Chaired by:

GIUSEPPE TANNOIA, *Eni Executive VP Central and South Europe Region*

SIMONA VICARI, *First Undersecretary Ministry for Economic Development*

SHERIF SOUSA, *First Undersecretary Ministry of Petroleum and Mineral Resources, Egypt*

BRUNO LESCOEUR, *CEO Edison, Italy*

JADALLA HAMED JADALLA, *NOC Board Member for Planning and Industries, Libya*

AARON GATT FLORIDIA, *President of Reservoir Characterization Group, Schlumberger, USA*

AHMED EL DEMERDASH, *Vice President Business Development, Europe, Sub-Saharan Africa, Halliburton, UK*



“We have the highest and most stringent international standards in terms of safety but we also have many Italian technological best practices in the oil & gas sector”

Innocenzo Titone, OMC 2015 Chairman

OPENING SESSION'S HIGHLIGHTS



In a very short period all the fundamentals of the industry have changed and Industry is going to face severe challenges in the medium-long term. In a general perspective, the expected increase in oil demand thanks to economic growth in emerging economies, coupled with a potential shortage due to the drastic reduction of the investments, may lead to an oil shortage. In this context, we expect that oil prices will rise. In the European perspective security of supply necessitates domestic production increase as well as diversification of supplies. Levers to improve gas availability and reduce cost are there: untapped potential of the Levantine Basin, the exploration activity in Croatia, Greece and Albania, a great potential of internal interconnection. Italy might also play a significant role having a potential of 700 Mtoe and significant storage facility. A side benefit to attract investments of over 15 bn € in the next 4 to 5 years.

GIUSEPPE TANNOIA

Eni Executive VP Central and South Europe Region



Senator Vicari described Ravenna as a model city. It is the proof that industry, tourism and culture can coexist. She stressed the commitment of the Italian Government towards upstream activities to guarantee maximum safety and environmental protection in accordance with the EU Offshore Safety Directive. The Italian regulatory framework in fact will introduce even stricter rules than EU requires. Moreover, there will be very soon the ratification of the offshore protocol associated with the Barcelona Convention and the issue of the national guidelines on the monitoring of hydrocarbon related activities as it is provided by the Decree "Salva Italia". Finally referring to the recent bill related to the environmental crimes she said that in her opinion there might be a change as far as the airgun technology is concerned.

SIMONA VICARI

First Undersecretary Ministry for Economic Development



The First Undersecretary of the Ministry of Petroleum of Egypt outlined the strategy the Government of his Country is putting forward: a strategy based on security and sustainability. Egypt is going through a crucial transition and in this respect additional energy resources are necessary. The Government has adopted and is implementing significant measures to help overcoming these challenges. Its priority is to stimulate the exploration and production activities in order to increase energy availability.

SHERIF SOUSA

First Undersecretary Ministry of Petroleum and Mineral Resources, Egypt



The energy sector and in particular the EU are currently facing a “trilemma”: security of supply, competitiveness and respect of the environment. The Mediterranean Region could contribute to the solution. A fundamental component of the solution is the development of domestic resources along with some three enabling factors: reinforcement of regional cooperation, common rules and public acceptance. Since some Mediterranean countries are turning from exporters to importers, the IOC should contribute to sustain their growth becoming strategic partners. Finally, talking about Italy, he recognized that, despite Government efforts with the “National Energy Strategy” in 2013 and the “Sblocca Italia” law of 2014, only marginal improvements have been achieved. But he has still an optimistic view of the future of the energy industry.



BRUNO LESCOEUR
CEO Edison, Italy

In recent months Libya has been the focus of attention. Since 2011 the Country has been struggling and facing severe challenges towards democracy. However, Mr Jadalla, NOC board member for planning and Industries, strongly believes that peace and justice will prevail. The National Oil Company is currently working hard to restore the damaged fields and making plans to continue exploration activities, also considering the potential of the unconventional resources, and to complete the exploitation of the discoveries in cooperation with international partners.



JADALLA HAMED JADALLA
NOC Board Member for Planning and Industries, Libya

In his presentation titled “Current Challenges Driving New Business Models” Mr Florida identified the necessary steps to face the current challenges: develop a game changing technology, increasing the rate of innovation, shortening the time to market and improving product and process reliability and performance. Schlumberger is developing new ways of working, introducing more efficiency and operating in a matrix organization with a proper integration aligning technical and commercial interests across the E&P value chain.



AARON GATT FLORIDIA
President of Reservoir Characterization Group, Schlumberger, USA

“The Time Is Now: Adapting the service industry to market changes” was the contribution of Mr El Demerdash. The multibillion \$ cut in spending for development from 2015 and 2016 and the assessed cost per barrel to produce existing fields and to bring in new discoveries represent the critical factors. Therefore there is no better time to focus on research and innovation to reduce uncertainty and increase reliability in deep water exploration, to optimize reservoir management in mature fields, to have better efficiency and provide the lowest cost per barrel in unconventional reservoir. He is optimistic that market will rebound but in the meantime technology will play a major role to adjust the projects to the present oil price.



AHMED EL DEMERDASH
Vice President Business Development, Europe, Sub-Saharan Africa, Halliburton, UK

1,285 CONFERENCE DELEGATES



284 ABSTRACTS

192 PAPERS

33 TECHNICAL SESSIONS

18 DIGITAL POSTER SESSIONS

2 SPECIAL SESSIONS

2 WORKSHOPS

TECHNICAL SESSIONS

*Covering all aspects of the
upstream industry:*

-  *New technologies applied for higher recovery of hydrocarbons*
-  *Well drilling: faster and safer as well as more efficient*
-  *Deep-water oil & gas production*

Despite the turbulence in the market, with low oil prices impacting many producers and those in the supply chain, this year's OMC, held on 25-27 March, has bucked all the trends with conference delegate registration up 10% on 2013 event.





ENERGY SCENARIO

Unrest in North Africa, the emergence of US shale and tensions with Russia have all put energy high on the global political agenda.

The humanitarian and political crisis unfolding across Northern Africa, shadowed by the Russia-Ukraine conflict and sanctions, has contributed to considerable market instability. Coupled with increasing demand for energy from Asia and unfeasibility within the European Union to develop their own unconventional resources, new conventional resources are needed if the EU is to stabilise and guarantee longer-term security of supply at an agreeable price.

The opportunities and the challenges for the oil & gas industry

Recent major discoveries in the Eastern Mediterranean – such as the Levant Basin – and new exploration efforts by Croatia, Cyprus and Greece, could lead to the establishment of a new South-Eastern European energy hub. This hub could potentially alleviate some of Europe's fears over security of supply and provide new energy corridors of opportunity.

YOUTH PROGRAMME

OMC has always believed in the power of young people to change the world we live in. That's why university students had the opportunity to present their researches during the “**5 minute speech contest**” held on 26th March. Students were also given the chance to learn about career opportunities in the oil & gas business, with presentations from Edison, Halliburton, Rosetti Marino, Total and Schlumberger.



SPECIAL SESSIONS

EOR – ENHANCED OIL RECOVERY

Tertiary recovery, or EOR (enhanced oil recovery), should become an integrated part of production operations, linked to existing facilities but also in-house research, laboratories and leveraging the business' various geographic operations to share experience and learning.

In the Special Session on 25th March, Rubén Juanes, from MIT, discussed the fundamentals of multiphase flow in EOR and how theoretical and computational results can analyse fluid mixing from viscous fingering, the impact of wettability on viscously unstable multiphase flow in porous media and fracturing in granular media.

According to Marco Brun, Shell country chairman for Italy and Adriatic countries: "Getting more from existing resources is one crucial way to help meet energy demand. On average, only around 35% of a field's oil is recovered. The rest remains trapped in the rock. Estimates suggest that EOR accounts for 4% of global production; boosting oil recovery could unlock about 300 billion more barrels, according to the International Energy Agency."

5 YEARS AFTER MACONDO

On 27th March, the focus was on "Offshore Regulations and Technologies: five years after Macondo." Government representatives presented how the European directive on security in offshore operations has been put into effect in some European countries.

Marcelo Masera, Head of Unit Energy Security, Joint Research Centre Institute for Energy and Transport at the European Commission, introduced the debate. The rational and realistic regulatory framework is capable of stimulating new technologies, which meet new industry requirements and comply with the legal provisions. The Session presented several reports on the technological progress made after the Macondo spill.

SUPPORTING ASSOCIATIONS



EXHIBITION FACTS & FIGURES



688 EXHIBITING COMPANIES

+ 21%

18,923 VISITORS

+ 20%

25,142 SQUARE METERS

+ 38%

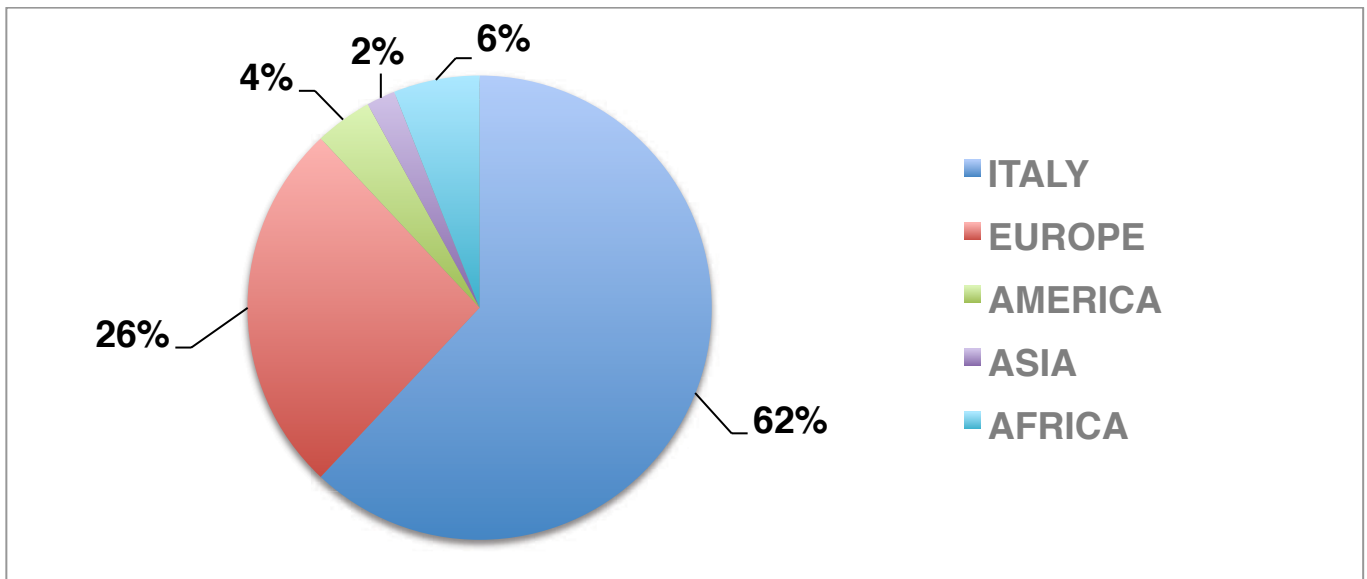
A WEALTH OF PRODUCTS & SERVICES ON DISPLAY AT OMC!

For this year's edition of OMC, space was sold out more than five months in advance, which led to the floorplan being increased twice as more and more companies took space. By the time OMC opened it had become the record-breaking edition – in more than 22 years since being launched, this year's event has been the biggest and best ever held.

With trend-bucking increases in both visitor and exhibitor numbers (688 companies from 33 countries), the event also welcomed more than 1,000 square meters of outdoor exhibits: floating equipment, deck equipment, generators, pigs and pigging equipment and live demonstrations of new anti-corrosion technology.



18,923
VISITORS
33 EXHIBITING
COUNTRIES



5 NATIONAL PAVILIONS

- EGYPT
- FRANCE
- PEOPLE'S REPUBLIC OF CHINA
- THE NETHERLANDS
- UNITED STATES OF AMERICA

3 MINISTERIAL STANDS

- EGYPT
- ITALY
- UNITED STATES OF AMERICA

10 OIL/GAS COMPANIES

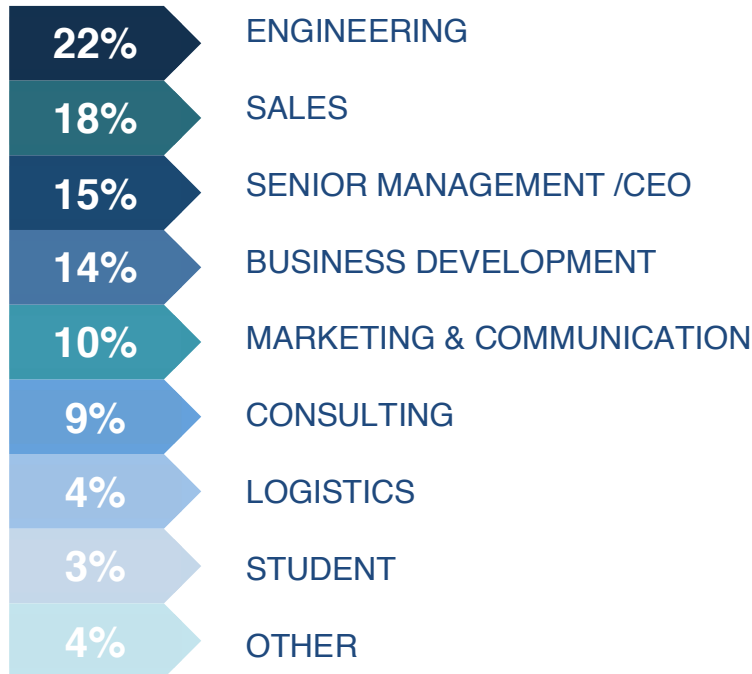
- CPTDC
- EDISON
- EGAS
- EGPC
- ENI
- INA/CROSCO
- NOC LIBYA
- QATAR PETROLEUM
- SHELL
- SONATRACH
- TOTAL

VISITING COUNTRIES:

ALBANIA, ALGERIA, ANGOLA, AUSTRALIA, AUSTRIA, AZERBAIJAN, BAHRAIN, BELARUS, BELGIUM, BULGARIA, CANADA, CHINA, CROATIA, CYPRUS, CZECH REPUBLIC, DENMARK, EGYPT, FINLAND, FRANCE, GERMANY, GREECE, HONG KONG, HUNGARY, INDIA, IRAN, IRAQ, ISRAEL, ITALY, KAZAKHSTAN, KOREA, KUWAIT, LATVIA, LIBYA, LUXEMBOURG, MALAYSIA, MALTA, MAROCCO, MEXICO, MONACO, MONTENEGRO, MOZAMBIQUE, NIGERIA, NORWAY, OMAN, PAKISTAN, POLAND, PORTUGAL, REPUBBLICA DI SAN MARINO, ROMANIA, RUSSIAN FEDERATION, SAUDI ARABIA, SERBIA, SINGAPORE, SLOVAKIA, SLOVENIA, SOUTH AFRICA, SOUTH KOREA, SPAIN, SUDAN, SULTANATE OF OMAN, SWEDEN, SWITZERLAND, THE NETHERLANDS, TUNISIA, TURKEY, U.A.E., U.S.A., UNITED KINGDOM, VENEZUELA

ATTENDEE PROFILE

JOB FUNCTIONS



MARKET AREAS

DRILLING/WELL

PRODUCTION

MARINE EQUIPMENT

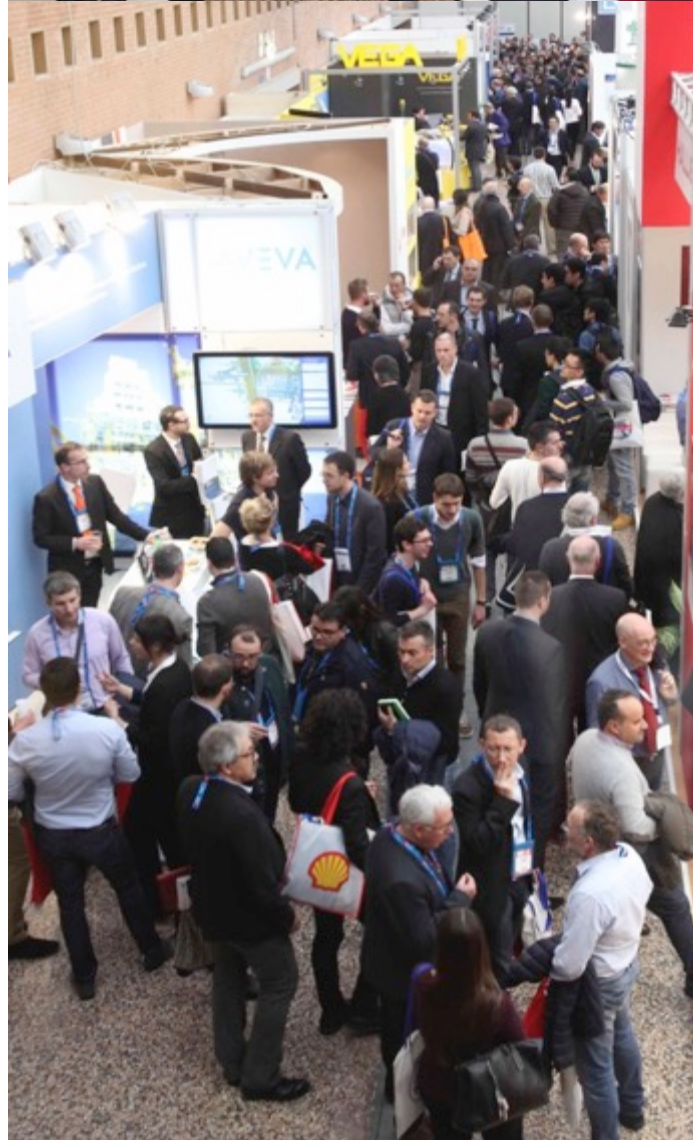
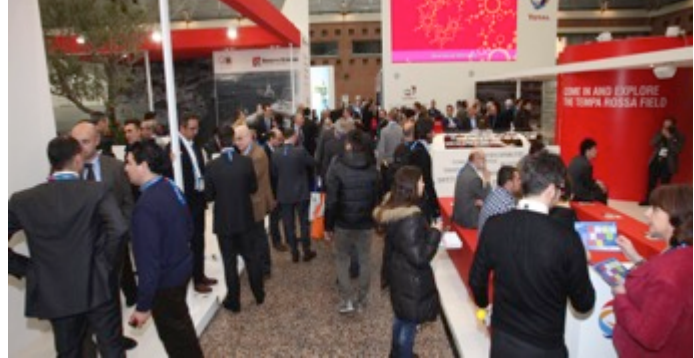
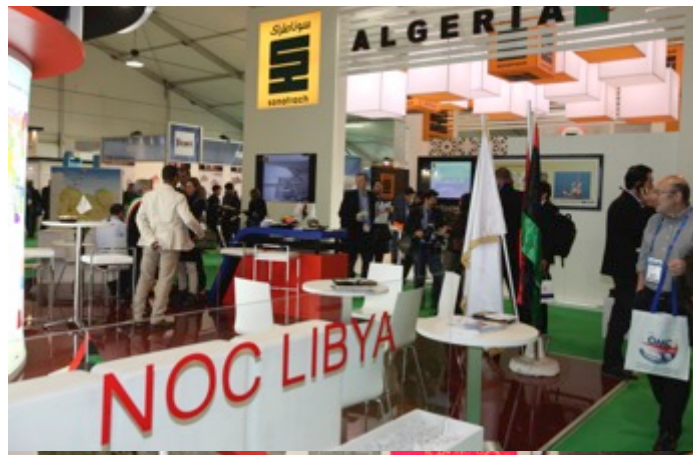
RESERVOIR

EXPLORATION

SAFETY

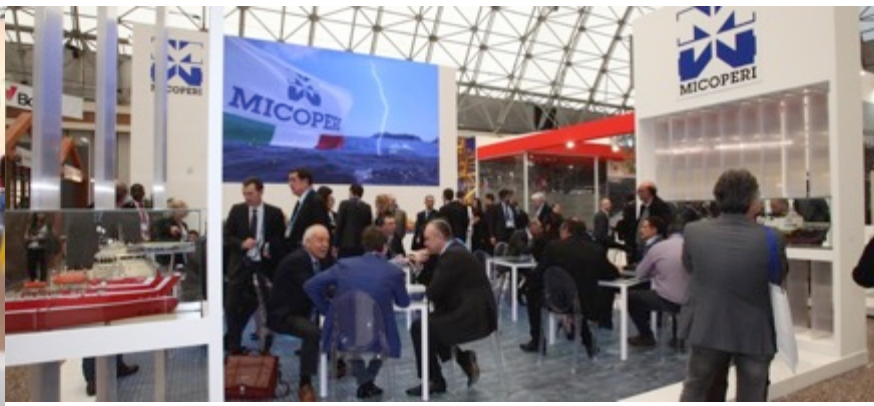
POWER SUPPLY

TRANSPORTATION



SIXTY PERCENT

of attendees said their primary reason for attending was to discover new products and technologies



2015 EXHIBITORS SAY...

96% RATED
GOOD/EXCELLENT
THE
VISITORS
QUANTITY
& QUALITY

78% RATED
EXCELLENT THE
OVERALL
EVENT
QUALITY

84%
WILL
EXHIBIT
AGAIN
IN 2017

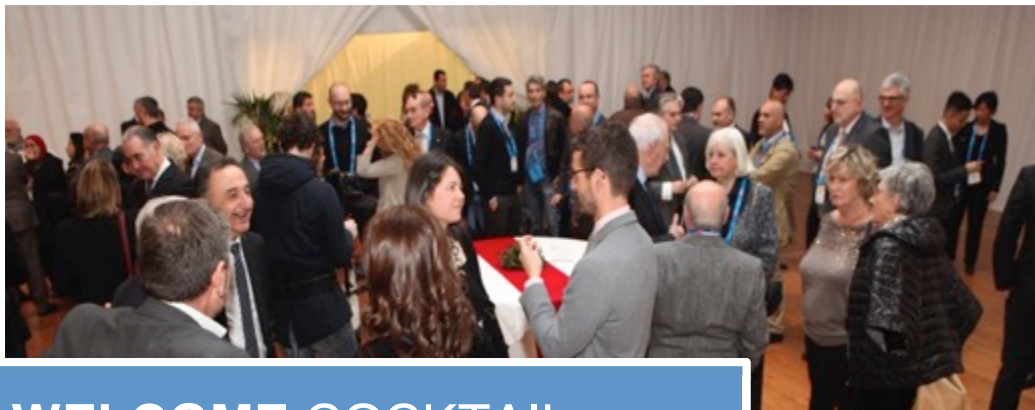
FULL EXHIBITORS LIST
www.omc2015.it



OMC SOCIAL EVENTS ENJOYING RAVENNA



GOLF TOURNAMENT



WELCOME COCKTAIL



GALA DINNER

OMC AWARDS

THANKS TO ALL OMC PARTICIPANTS!



S. SCARAMELLINI, ENI – BEST PAPER BY A YOUNG TALENT

F. NAVA, KWANTIS – BEST PAPER OUTSTANDING TECHNICAL CONTENT



TOTAL - BEST STAND FOR TECHNICAL CONTENT

PROGER – BEST STAND FOR OVERALL QUALITY



TECHNIP - BEST STAND FOR DESIGN

ROSETTI MARINO - SPECIAL PRIZE FOR OUTSTANDING SUPPORT



THANKS TO OMC 2015 SPONSORS

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29-31 March 2017
RAVENNA, ITALY

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