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Focus on Change: Planning the Next 20 Years

*Diversifying choices,
increasing opportunities*

**25-27 March 2015
RAVENNA, ITALY**

OMC 2015

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& EXHIBITION



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 special OMC 2015



Intensify relations among coastal countries for an energy hub to benefit the EU

Vicari: “Build an energy bridge over the Mediterranean”

The OMC is the place where high representatives of Mediterranean countries and the top management of companies in the field can meet to delineate the scenario we wish to see unfold for oil and gas production and supply. Ravenna is home to important companies operating in the production of energy and offshore platforms. Now, as in the past, this city acts as a great bridge between the Mediterranean, Eastern Europe and the Middle East. Today the province of Ravenna produces half of the overall energy requirement for the entire Emilia-Romagna region and a large portion of all domestic energy production is concentrated in the north-east Adriatic. Moreover, I intend to personally follow up my announcement, made last November at the EUROMED event in Rome during the six-month Italian Presidency of the EU, reaffirming the key role played by the Mediterranean and the hydrocarbon industry in building an energy bridge across the Mediterranean and the need to intensify relations between co-

astal countries to create an energy hub that can bring benefit to the entire European Union. Recently the European Union has underscored the EU need for greater efficiency in production, transport and building systems. Under the current geopolitical conditions, Italy and Europe cannot allow themselves to be caught unprepared by a possible — though fortunately as yet remote — political and energy crisis.

In this regard, we cannot ignore the fact that most Mediterranean countries are taking decisive steps to exploit underground resources, to increase energy security and reduce the costs of foreign energy dependence. Therefore, we must be vigilant, ensuring that the high safety standards adopted by the European Union and Italy are applied throughout the Mediterranean.

Simona Vicari

Under-Secretary of State for Economic Development

Italy boasts the highest safety standards with the most advanced technologies

Terlizzese: “Development is possible when environmentally sustainable”

Italy will intensify its initiatives to open dialogue with the Mediterranean countries, to promote higher standards of safety and protection of the marine environment and to plan joint strategies and procedures for intervention in case of emergency. Through constant oversight and control - exercised by the competent authorities and through the technological excellence of Italian and foreign companies with over 60 years of experience working offshore - today Italy can boast the highest standards of safety; indeed it has not had any major accidents and environmental disasters as have unfortunately occurred in other sectors. Some major articles in the recent so-called 'Sblocca Italia' decree are dedicated to the hydrocarbons sector and to bring our high competence and best practices to the fore, a new regulatory framework is provided reconciling national regulations for granting authorizations with those applied by other EU countries, without undermining regional competences. During the next OMC, the meeting with Croatia is of particular importance as this country has recently made its first site assignments for hydrocarbon exploration and production in the sea. Indeed, for some time now we have had joint development programs with Croatia and share with them high-safety systems for the prevention of all possible risks associated with new activities on both sides of the Adriatic. The Italian government is well aware that the only feasible economic development is environmentally sustainable development.

Franco Terlizzese

Director General for the mining and energy resources of Mise (Ministry of Economic Development)

Cavanna: "Too many obstacles to our technological development"

“OMC 2015,” maintains the Hydrocarbons and Geothermal Sciences sector president of Assomineraria, Pietro Cavanna, “is a leading event within the operative and technological framework in the exploration for and development of energy resources throughout the Mediterranean basin. It is hoped that the future will increasingly be full of interest and opportunities in a field that is experiencing growth and competition on the shores of our sea, in contrast to what is taking place in our country, where multiple opposing forces, at parliamentary, administrative and other levels risk undermining the content of the strategic lines of the 'Sblocca Italia' decree. This is limiting major economic achievements in our country, in terms of employment, safety, environmental protection and technological development in the leading companies of the 'made in Italy' brand, that are appreciated all over the world for their ability to tackle complex and particularly delicate environmental situations. All of this is coupled with the guarantee of security of supply of the energy resources needed by our country, in view also of the fragility of our importation system, given the geopolitical situation in some of the countries that export energy in Italy”.

1993



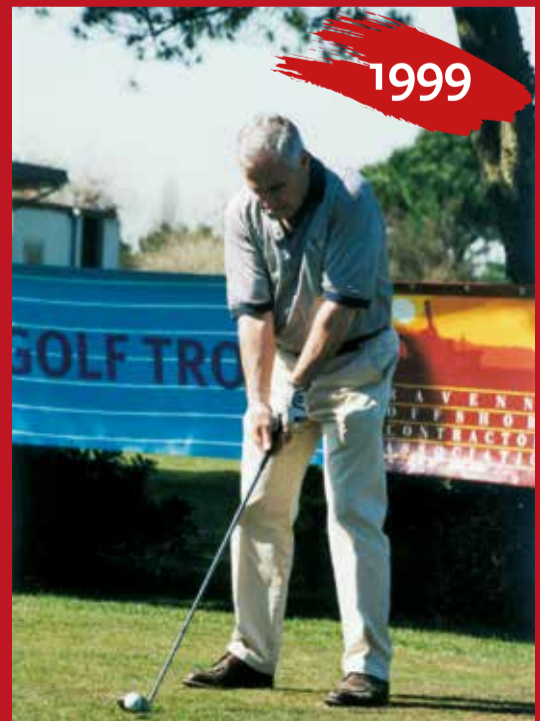
1995



1997



1999



Resource availability, safety and sustainability, market stability

Titone: “The key words to face the challenges”

It is pointless to deny the fact that the energy scenario we are dealing with is complex, dominated by high political instability where growing demand, significant market instability and the dramatic decline in oil prices - which have put on the brakes on investments - are making energy supplies insecure.

Also for this edition, the OMC wishes to be the venue for discussing the present and planning for the near future. During the Plenary Session which provides the title for the entire event **“Focus on change: planning the next twenty years. Diversifying choices, Increasing opportunities”** we will be doing this with the Algerian Minister for Energy and Natural Resources, Youcef Yousfy, the Cyprian Minister of Energy, Commerce, Industry and Tourism, Yiorgos Lakkotrypīs, and the Egyptian Minister of Energy and Petroleum, Sherif Ismaeil.

The presence of the latter, along with a large delegation of representatives of the leading Egyptian oil companies, will provide an opportunity to meet with Italian companies interested in strengthening trade relations with Egypt, thus confirming the good relations between our two countries (Italy is Egypt's historic partner in the oil and gas sector) through the twin event **MOC, Mediterranean Offshore Conference in Alexandria**.

The participants in the debate will also include the CEOs of national and international companies such as **Claudio Descalzi** of Eni who will chair the debate and whom I thank in advance for his presence.

Thanks also go to today's guest, the Ministry of Economic Development, represented by the Under-Secretary of State for Energy, **Simona Vicari**, here to kick off the event.

The theme for this edition could not be more timely. Only by promptly addressing the challenges posed by the energy market can we prepare for the next twenty years. Challenges that can be summarized in 4 key words: resource availability, safety and sustainability - requiring special government and corporate attention - but above all, market stability to enable one to plan such huge, high-risk investments.

This will also be discussed in the conference's technical program which, thanks to the record number of proposals submitted (65% higher than in the previous edition), counts **175 papers in 34 sessions and Digital Poster Area**. The program also includes two Special Sessions: **“Enhanced Oil Recovery: Field Cases and Faster Way to Implementation”** dealing with industry technologies that play a key role in extending the productive life of the reservoirs, with the participation of Professor Ruben Juanes, from MIT in Boston; **“Offshore Regulations and Technologies: 5 years after Macondo”** focusing on offshore regulations and technologies in view of the European Directive on the safety of offshore operations, with the participation of Giovanni De Santi, General Manager of the European Commission Joint Research Centre Institute for Energy and Transport, and government officials from Italy, Cyprus and Croatia.

Once again the OMC opens its doors to young people, not only providing opportunities for meeting with the Majors in the field, but also introducing something new to give university students visibility: the **5 minute speech contest**. Twenty-one students will present the results of their research before an audience of professionals from the oil and gas sector. Over the years, the OMC has become the most important conference on oil & gas in the Mediterranean. This is demonstrated by the Exhibition

figures: 25,000 square meters hosting 687 companies from 34 countries and an increasing number of delegates.

For years the OMC has helped make delegates from around the world aware of the highlights of Ravenna and the Romagna region. To this end, a rich cultural program has been specially designed for our guests.

In Ravenna, fifty years of offshore oil activities have coexisted in perfect harmony with traditional seaside tourism, strong historical and cultural connotations and flourishing agriculture. These activities have also facilitated the development and growth of an industrial base that has made its mark in the world, creating wealth and jobs and supporting start-ups in the field of renewable energy as well. Ravenna must set an example for the renewal of oil activities in our country. Indeed, to do nothing would mean pauperizing our industries and greater outlays to procure foreign energy, without any alternative in view.

Innocenzo Titone
OMC 2015 Chairman

Matteucci: “The importance of focussing on promoting talent”

“The heart of the show this year,” comments the Mayor of Ravenna, Fabrizio Matteucci, “opens up what in my opinion is a very interesting view on this sector that is so strategic both from an economic point of view, and for the quality of life of people in general, focussing attention on the theme of planning for the next twenty years”. Mayor Matteucci highlights another matter: “The promotion of talent”, referring to the Contest dedicated to young people focussed on the technologies needed for meeting the energy needs of the future, that has garnered such success among masters degree and Ph.D. students.

Mingozzi: “Resume mining activities in the Adriatic”

“Mining activities need to be resumed in the Adriatic,” says the Deputy Mayor of Ravenna, Giannantonio Mingozzi, “taking all due precautions required by law and we must defend the Ravenna businesses representing Italian industrial excellence worldwide. We're talking about twenty companies with three thousand direct employees in the district of Ravenna alone and thirteen thousand employees in satellite industries. If steps are not taken quickly for the new extraction authorization process, we run the risk of negative repercussions on employment, even this year. I agree that ongoing dialogue and open discussion with those who are opposed to this is needed to overcome prejudices and biased behaviour. However, I want to reiterate that the countries on the other side of the Adriatic are starting up new mining operations, beating us to the punch. We are gambling with our national interests; indeed supplies from Libya and Russia cover 55 percent of the energy consumed by Italian families. We must do our utmost to prevent setting ourselves in a position of subjection or limited sovereignty”.

Gigante: Eni's crucial role

“Twenty years ago, while discussing the idea of creating the Offshore Mediterranean Conference & Exhibition with Eni and other local institutions, the Chamber of Commerce set internationalization of the production system as its first goal. Today, reaching the 12th edition, we can say that, for the most part, that goal has been achieved. It is not by chance that, this year, the number of exhibitors, foreign delegations and foreign authorities present at the opening of the OMC was truly outstanding,” said **Natalino Gigante**, President of the Chamber of Commerce of Ravenna.

Nanni: “Worrying tensions”

The point of view of the President of ROCA, **Franco Nanni**, on the market: “2015 is gearing up to be a year of significant contraction for the companies in the sector, due to the cancellation of many previously scheduled projects. For some years Italian companies have been oriented towards foreign markets, since the number of projects in Italy is greatly reduced as a result of the suspension of the exploration for and production of the limited amounts of gas that we have. In addition, bureaucracy and legislation have lengthened the timescales for permits and concessions, resulting in a move to foreign fields. OMC 2015 will be an excellent shop window for offshore and oil and gas operators generally, to showcase their companies and technologies in their specialist sectors”.

Righini: “Prices are a problem”

Renzo Righini, president of OMC, adds: “It is also difficult to see how the situation can change due to the political uncertainty and low oil prices. As far as the price of crude is concerned, here also the forecasts are contrasting. Some people are forecasting a recovery to between 60 and 80 dollars a barrel towards the end of the year, while others see it happening in 2016. The big companies certainly have stopped investments and are cutting costs as much as possible”.

2001

2003

2005

2007



MICOPERI an exhibition for OMC 2015

The Cassa di Risparmio di Ravenna SpA in conjunction with OMC 2015 is hosting the original exhibition 'Micoperi for Ravenna' in the shop windows of its 'Private Banking' branch (formerly the Bubani shop) at Piazza del Popolo 30, until 31 March. Micoperi, with its Managing Director, Silvio Bartolotti, was one of the founders of OMC back in 1993.

The bank's exhibition will host, among other things, scale models of the most important vessels used by Micoperi for offshore operations: among them are Micoperi 30 used for the historic recovery of the Costa Concordia, the Remas and the Mamta, auxiliaries for underwater work on the seafloor, photographs and a film, all relating to the Ravenna company's



core business. Micoperi's administrative headquarters are in Ravenna, while their operations centre is in Ortona (CH) in Abruzzo.

THE FIGURES

OMC confirms 30% growth with a total of 25,000 square meters of exhibition space. The 687 participating companies include: Eni, Sonatrach, NOC Libya, EGPC, EGAS, Qatar Petroleum, Edison, Shell, Total, Halliburton, Aker, Weatherford ... The number of exhibitors grew by 20% and 34 countries are represented.

An opportunity for masters degree and Ph.D. students

“5 minute speech contest”

New this year is the "five minute speech contest", an opportunity for masters degree and Ph.D. students to present their research at the OMC 2015.

Under the auspices of the Youth Programme, the initiative comes on 26th March and is sponsored by Total, Halliburton, Rosetti Marino, Edison and Schlumberger. On that day, students from the Technical Universities of Italy and abroad will meet with the oil and gas companies and learn of job opportunities in the field. These students will present their work to these same companies.

64 abstracts have been received from Italy and abroad. 22 were selected for 5-minute presentations at OMC 2015.

Awards: the 3 best presentations will be awarded a plaque and free registration to OMC 2017. In addition, SPE Italia will publish the 3 works in the SPE Bulletin and invite the authors to the dinner in June and to the European Young Professionals Summit (May 2015, Milan).

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SOCIAL AND CULTURAL EVENTS golf, cocktails, guided tours

OMC offers its guests a rich program of social and cultural events. The traditional golf tournament at the Adriatic Golf Club of Cervia, organized by the Ravenna Offshore Contractors Association (ROCA), is scheduled for March 24th followed, in the evening, by a welcome cocktail offered by the Ravenna Chamber of Commerce; the gala dinner offered by Eni will be held on March 25th. In addition, there will be 5 guided tours unveiling the beauty of the City of Ravenna. Participants at OMC 2015 will also reap benefits from the brand new initiative "Ravenna Bella di Sera": on the evening of March 26th, the shops, restaurants and monuments of Ravenna will remain open, offering OMC 2015 participants a real look at the city's beauty and allowing them to savour the area's culinary specialties and visit the historic, eighteenth century Palazzo Rasponi dalle Teste with its magnificent frescoed halls.

Full program available at www.omc2015.it

Since October, “Degree in offshore and marine systems engineering”

The university opens to offshore

The Engineering Department has created a winter school in "Offshore and marine systems engineering", sponsored by the Departments of Engineering and by Comse, centre for the offshore industry, in collaboration with Fondazione Flaminia and the City of Ravenna.

The winter school is introductory to next year's inauguration of the master's degree course entitled "Offshore and marine systems engineering" which will be headquartered in Ravenna.

Thirty participants from all over Italy — university graduates, technicians and industry experts — have enrolled in the winter school courses. The inauguration was attended by the Deputy Mayor Giannantonio Mingozi: "I thank the teaching staff and the many companies that have

joined our initiative, showing that, in Europe, the City of Ravenna focuses on new oil & gas technologies and, above all, on the evolution of scientific research and education. In fact, it is home to OMC, the largest international trade fair dedicated to the offshore sector.

Mingozi stressed the fact that "Together with the Government and the region, Ravenna must do its utmost to ensure that an industry employing 4 thousand people in our area continues to progress and guarantee technological safety for the coastal environment."

The course syllabus includes visits to construction sites and some case studies in biotechnology, diagnostic methods, corrosion and platform design.

