

POST SHOW REPORT 2016



Bilbao 2-3/06/2016

The Challenge of Innovation and Industry 4.0 - Key Issues at the heart of the Industrial Maintenance Innovation Conference – IMIC

The 1st IMIC addressed Maintenance as a key factor under the Industry 4.0 umbrella to turn the new possibilities offered by big data, cloud farming, 3D printing, machine learning and augmented reality into a new more-profitable scalable and competitive way of doing business.

The first day focused on the challenge of innovation in maintenance, in a complex context of digitalisation of industrial processes, which is generally known as the “fourth industrial revolution”.

The topic of the second day was “Challenges and Trends in Machine-Tool and Capital Goods Maintenance”, and the highlight was the relationship between Technical Support Services (TSS) and the user.

Practical experiences and success stories regarding the implementation of new technological solutions were presented on both days.

IMIC aimed at dealing with latest trends topics, which go hand in hand with the main players of the sector value chain: from end users and technology centres, to Spanish and international engineering firms and suppliers, in order to:

Learn first-hand about the sector key issues and strategies;

Discover the latest technology breakthroughs, design and analysis techniques for problem solving; and

Participate in information exchanging in a unique environment with world-class professionals.



GENERAL INFORMATION

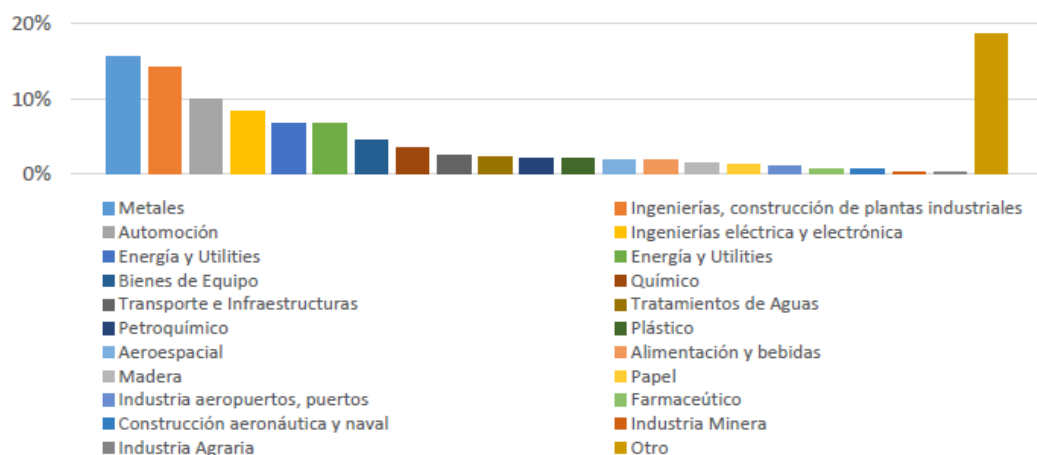


In 1.5 days:

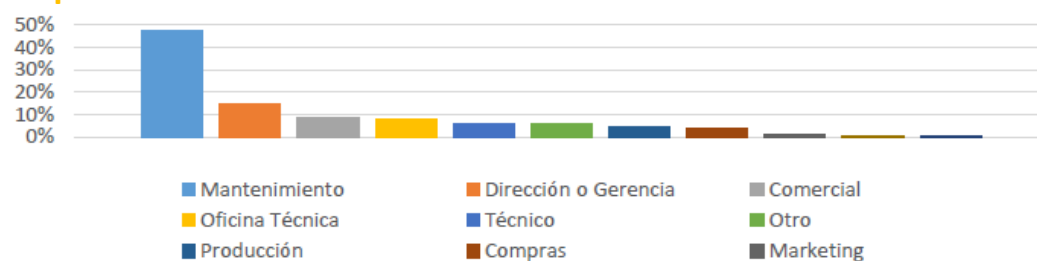
- **196** Delegates
- **28** Speakers
- This event coincided with the **Machine Tool Biennial - BIEMH** which attracted a total of **40,000** visitors from 57 countries and more than 1,500 exhibiting companies from 27 countries

DELEGATE PROFILE

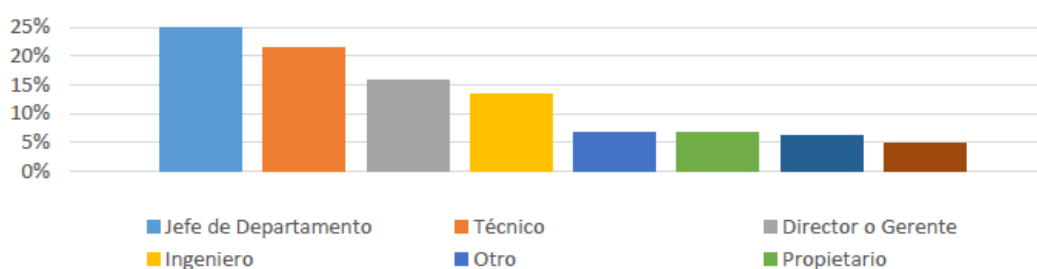
Business activity:



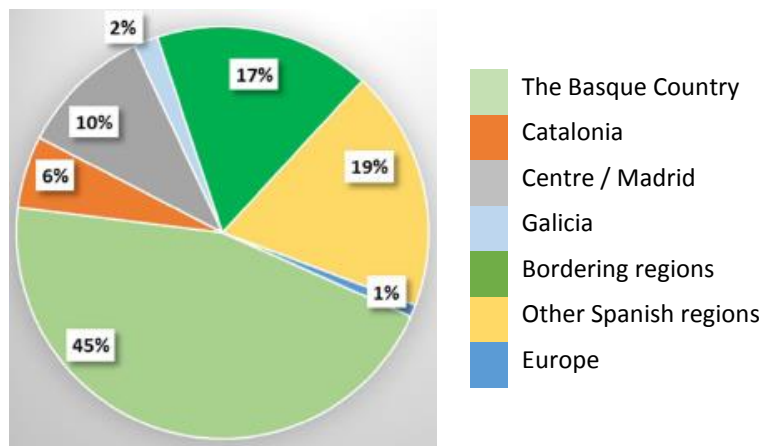
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PARTICIPATING COMPANIES



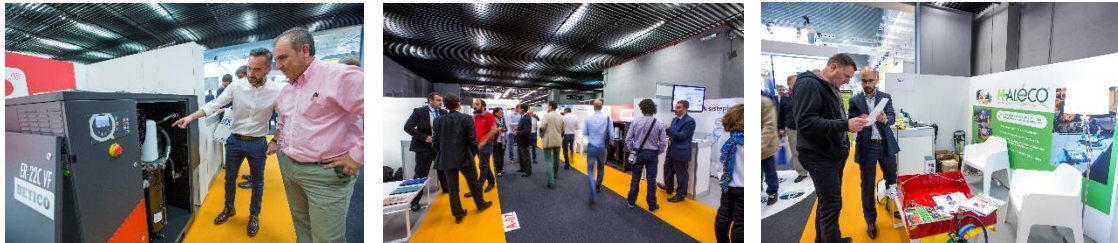
The following are some of the companies participating in IMIC 2016:

(MEISA) PROYECTOS Y MANTENIMIENTOS DE INSTRUMENTACION Y ELECTRICIDAD S.A.	LOIRE GESTAMP.
3TB CLEAR DESK.	LULEA UNIVERSITY OF TECHNOLOGY
AEM- ASOCIACIÓN ESPAÑOLA DE MANTENIMIENTO.	M. TORRES
AMIE CONSULTING	MANTENIMIENTO Y MONTAJES INDUSTRIALES S.A.
AREVA NP SERVICES SPAIN	MARTINEZ LORIENTE S.A.
BABCOCK WANSON	MERCEDES BENZ ESPAÑA, S.A.U.
BAHIA DE BIZKAIA ELECTRICIDAD	MISTEK, S.L.
BAITIC SOLUCIONES	MONDRAGON GOI ESKOLA POLITEKNIKOA J.M.A.
BAMA	MONTAJES METALICOS JAUREGUI
BELAKO LANAK, SL	MOTORLAN – FAGOR AUTOMATION.
BETICO COMPRESSORS, S.A.U	MOVILGMAO.
BRIDGESTONE HISPANIA	MP PRODUCTIVIDAD, S.A.
CAF	MTORRES DISEÑOS INDUSTRIALES.
CALIDAD PASCUAL	NATIONAL INSTRUMENTS
CARCOUSTICS ESPAÑA.	NATURGAS ENERGIA DISTRIBUCION
CARLO GAVAZZI.	NERBIOIALDEKO ZERBITZUAK KOOP. ELK. TXIKIA
CDTI Centre for the Development of Industrial Technology.	NERVACERO.
CRC INDUSTRIES IBERIA, S.L.U.	NERVION INDUSTRIES
DANA AUTOMOCION	ONDOAN.
DANOBAT S. COOP.	OPERTEK SOFT, SL
DEL VALLE AGUAYO.	PAPRESA.
DIACAMAR.	PERAMA INGENIERIA.
DMG MORI SEIKI.	PETRONOR
EDP NATURGAS ENERGIA DISTRIBUCION	PRIMAVERA BUSINESS SOFTWARE SOLUTIONS.
E.I.T. GETXO S.L.	PRODUCTOS TUBULARES
ENVIRA SOSTENIBLE.	PROTON ELECTRONICA.
EOLIVE VERTICAL SL	RABASEDAS SUROS, SL
EQUILIBRADOS DINÁMICOS.	ROTORK CONTROLS IBERIA.
ESAU GLOBAL S.L.	SAPA PLACENCIA SL
FAGOR ARRASATE	SCHEFFLER IBERIA S.L.U.
FAGOR AUTOMATION	SDF
FUCHOSA S.L.	SEAT S.A.
FUNDACION CENER-CIEMAT	SIEMENS.
FUNDICIONES GARBI.	SIEMSA
GAMESA EOLICA	SISTEPLANT
GAMESA INNOVATION AND TECHNOLOGY	SKF ESPAÑOLA
GE AUTOMATION & CONTROLS.	SORALUCE.
GERDAU ACEROS ESPECIALES EUROPA SL	SPANSET.
GIROA-VEOLIA	SUM. Y SERVICIOS IND. SERVITEC.
GOIZPER S. COOP.	TAMAYO COMPOSITES S.L
GRUPO GOMUR.	TECMAN SERVICIOS DE VALOR AÑADIDO
HALECO IBERIA.	TECNALIA
IK4 TEKNIKER	TECNATOM
INDUSTRIA DE TURBO PROPULSORES – ITP	TECUNI S.A.
INGEBIT, S.L.	TESI INDUSTRIAL EUROPA.
INTENANCE CAPITAL.	TRAGSATEC
INVEMA-AFM.	TUBACEX
IXION	ZAYER.
LINDE WIEMANN ENSAMBLAJE ZARAGOZA.	
LKS INGENIERIA.	



EXHIBITION AREA

A meeting point for TECHNOLOGY + BUSINESS + NETWORKING



The IMIC Exhibition Area, located at the centre of the Machine Tool Biennial, offers a large volume of potential clients in search of maintenance solutions.

We would like to thank the leading companies for participating in our Exhibition Area:

ENVIRA
INGENIEROS ASESORES



movil
gmao

ENVIRA
SOSTENIBLE

sisteplant
smart solutions

Primavera
BUSINESS SOFTWARE SOLUTIONS

BETICO

HALÉCO
Expertos en medio ambiente y seguridad

EQUILIBRADOS
DINAMICOS S.L.

INGENIEROS
ASESORES

CONFERENCE



During 1.5 days, delegates listened to end users, science-technology centres and national and international suppliers discussing the latest technologies in advanced - predictive maintenance in the context of the digitalisation of industrial processes.

For the design and development of the programme, we were delighted to have a **Committee of Experts** which consisted of renowned professionals with decision-making capacity in the fields of maintenance and technological innovation, all of them representing leading companies:

- Aitor Arnaiz. Head of the Smart Information Systems Unit. IK4 TEKNIKER
- Iñigo Lazkanotegi. Project Manager in Instrumentation and Smart Systems. TECNALIA.
- Manuel Gomez Ayala. Head of Industrial Services Maintenance. INDUSTRIA DE TURBO PROPULSORES – ITP.
- Jose M^a Borda. General Manager. SISTEPLANT.
- Iñaki Sendín. Head of Maintenance. PETRONOR.
- Andres Carrasco. Director of Operations and Maintenance. EDP Naturgas Energía.
- Sergio Gómez. Head of Maintenance. BAHÍA DE BIZKAIA ELECTRICIDAD.

Programme / Topics

Thursday 2/06/16

8:30-9:00	Reception and Registration.
	Javier Vadillo. Delegate of Cinco Días in the Basque Country. Presenter.
9:00-9:15	Welcome Speech. Xabier Basañez. Managing Director. BILBAO EXHIBITION CENTRE . Alex Arriola. General Manager SPRI , the Basque Business Development Agency.
	THE CHALLENGE OF INNOVATION IN MAINTENANCE IN THE FRAMEWORK OF INDUSTRY 4.0: TRENDS.
9:15-9:45	OPENING SPEECH: AEM , Spanish Maintenance Association (confirmed). Financing instruments of transformation towards industry 4.0. Trends and opportunities. Carlos Toledo. Department of Energy, Transportation, Manufacturing and Digital Society. Promotion and Cooperation Directorate. CDTI Centre for the Development of Industrial Technology .
9:45-10:15	Industry 4.0 and Maintenance: Overview. Jose M ^a Borda. Managing Director. SISTEPLANT .
10:15-10:55	The role of maintenance in asset management through the ISO 55000: Pros and cons of standardization. Diego Galar. PhD Professor of Condition Monitoring. Division of Operation and Maintenance Engineering. LULEA UNIVERSITY OF TECHNOLOGY, Sweden .

10:55-11:25	Reliability. Inspection with Robots. Life cycle. Hope in safety and profitability conditions. Fernando García Sedano. Mechatronics and Production Manager . TECNATOM .
11:25-11:45	Coffee Break & Networking in the exhibition area.
11:45-12:15	The “Big Data” concept and its practical application in the world of maintenance. Aitor Arnaiz. Head of the Smart Information Systems Unit. IK4 TEKNIKER .
12:15-12:45	Collaborative Robotics Production Lines: Regulations applied to manufacturing processes. Angel Hernán. Technical director engineering area. SISTEPLANT . Maite Ortiz de Zárate. Project manager and researcher. TECNALIA .
12:45-13:45	DISCUSSION PANEL: Applicability of innovation in maintaining users in various sectors . Moderator: Diego Galar. PhD Professor of Condition Monitoring. Division of Operation and Maintenance Engineering. LULEA UNIVERSITY OF TECHNOLOGY, Sweden. <ul style="list-style-type: none"> - Francisco Paños Garcia. Product Manager Integrated Systems Control Platform. NAVANTIA. - Juan Carlos Amade. Head of the Department of Energy. ELDU - Rufino Diez. Operating Tools Manager. GIROA-VEOLIA. - Alain Laucirica. Maintenance Manager. TUBACEX GROUP.
13:45-15:00	Lunch & Networking in the exhibition area.
	TECHNOLOGICAL SOLUTIONS: PRESENTATION OF PRACTICAL EXPERIENCES & SUCCESS STORIES.
15:00-15:30	Automatic inspection by artificial vision. Francisco José Barreiro Posso. Technical Director. IXION .

15:30-16:00	What is Industrial internet for GE? Mr. Lennart Christensson. Technical Leader Europe Connected Machines. GE Automation & Controls.
16:00-16:30	Factories non-continuous process (no lines). Manuel Gómez Ayala. Maintenance Manager. ITP.
16:30-17:00	Confined spaces control and Geolocation . Iñaki Sendín Escalona. Maintenance Manager. PETRONOR
17:00-18:00	Technical visit to Expo Area of MIC and BIEMH
20:30-23:00	Networking Cocktail & Dinner.

Friday 3/06/16.

	CHALLENGES AND TRENDS IN MACHINE-TOOL AND CAPITAL GOODS MAINTENANCE.
9:00-9:30	Service efficiency improvement for machine tools. Makoto Fujishima. Executive Officer, Manufacturing/Development HQ. DMG MORI SEIKI.
9:30-10:00	Cloud analytically for Machine Tools. Javier Fernández. Head Plant Data Services. SIEMENS
10:00-10:30	Application of continuous improvement in industrial capital goods. Alain Laucirica. Maintenance Manager. TUBACEX GROUP.

10:30-11:30	<p>DISCUSSION PANEL: Trends in Technical Support Services (TSS) and the relationship with users. Moderator: Patricia Tamés . Deputy Director. INVEMA – AFM Research Foundation of Machine Tools.</p> <ul style="list-style-type: none"> - Makoto Fujishima. Executive Officer, Manufacturing/ Development HQ. DMG MORI SEIKI. - Angel Mujika. Technical Services Manager. ZAYER. - Jose Luis Ibarrola. Jefe Área de Postventa y Aplicaciones. <p>M TORRES.</p> <ul style="list-style-type: none"> - Javier Peña Yáñez. Manager Director. GAMESA ENERGY TRANSMISSIONS. - Manuel Gómez Ayala. Maintenance Manager. ITP.
11:30-12:00	Coffee Break & Networking in the exhibition area.
	TECHNOLOGICAL SOLUTIONS: PRESENTATION OF PRACTICAL EXPERIENCES & SUCCESS STORIES.
12:00-12:30	<p>Predictive Maintenance. Forecast errors. (Awaiting for title confirmation)</p> <p>Laura Viñolas. I+D Engineer & Ioseba Beracoechea. Technical Services Manager. LOIRE GESTAMP.</p>
12:30-13:00	<p>Industry 4.0: Factory of tomorrow, today in Schaeffler.</p> <p>Miguel Ángel Jiménez. Development Industrial Automation SCHAEFFLER Iberia.</p>
13:00-14:00	<p>CLOSING PANEL:</p> <ul style="list-style-type: none"> - Simón Cortés. Manager. PREDYCSA - FARSENS (guest) - BATZ (guest)



ADVERTISING AND MEDIA COVERAGE

A variety of advertising media were used, such as: **online media, collaborating partners' websites, social media, as well as papers and articles published both in the trade press and mainstream press.** This integrated communication strategy has enabled us to offer added value, as well as higher corporate visibility to all the event participants.

sur ce marché. La société mu-DEC continuera d'exister au sein du Groupe Acrotec. Son activité sera transférée de La Chaux-de-Fonds à Develier où la construction d'un nouveau bâtiment industriel est prévue. Le développement et l'apport de mu-DEC entraîneront la création de nouveaux emplois.

Transair fête ses vingt ans

Transair®, une entité de Parker Hannifin, spécialiste mondial des technologies du mouvement et du contrôle, fête cette année son 20^{ème} anniversaire. Durant cette période, plus de 122 000 km de tubes et 75 millions de raccords ont été vendus. Au moment de son lancement en 1996, Transair était le premier système modulaire à base de tubes aluminium pour les réseaux d'air comprimé sur le marché. Depuis, Transair a constamment évolué

Rendez-vous international de la maintenance 4.0

L'événement Maintenance Innovation Conference se déroulera au Bilbao Exhibition Centre les 2 et 3 juin prochains. Ce rendez-vous international de la maintenance industrielle combine des conférences de haut niveau avec un espace d'exposition concrétisant les solutions actuelles. Cette édition sera centrée sur l'industrie 4.0, avec en parallèle ISO 55000, la gestion optimisée des équipements, l'analyse des cycles de vie des produits, la maintenance prédictive, le concept du Big Data et ses implications pratiques dans le monde de la maintenance, la robotique collaborative, et tous les services associés à la maintenance. Le MIC est organisé par BEC simultanément

accessoirs. Ce sont principalement les fabricants eux-mêmes qui exposent.

RDV de la machine-outil italienne en croissance

Les inscriptions au 30.BI-MU, la biennale italienne des machines-outils, qui se tiendra fieraamilano Rho du mardi 4 au samedi 8 octobre 2016, ont augmenté de 30% par rapport à la dernière édition. Cette croissance suit l'évolution positive de la consommation de machines-outils en Italie en 2015, qui a atteint 3.595 millions d'euros (+31,3%/2014). La demande de systèmes de production est repartie à la hausse avec 1.920 millions d'euros, soit +21% par rapport à l'année précédente, ainsi que les importations, avec +45,5% soit une valeur de 1.675 millions. Le salon est promu

l'espace machines-outils et robotique sera recentré au cœur de la manifestation pour en optimiser la visibilité. Il pourra accueillir environ 200 exposants, sur les 700 qui composeront le salon. Toutefois, parant sur la taille humaine du salon, les organisateurs maintiennent la surface d'exposition à 15 000 m². Plus de 100 sociétés candidates n'ayant pu exposer en 2015, il devient donc urgent de se positionner pour cette édition 2017 et recueillir les fruits de la prospection auprès des quelques 7 000 visiteurs professionnels attendus. En 2015, ce sont les industries Métallurgique, Automobile et Ferroviaire qui ont été les plus présentes dans les allées, venant de tout le Nord-Ouest de la France et de la Belgique. Les services les plus représentés venaient de Production / Achats, Maintenance, BE/BM, Travaux neufs...

Estrategia empresarial

Vizcaya

Maintenance tendrá lugar junto a la BIEMH en BEC

> MANTENIMIENTO

■ Tras la celebración de la primera edición de la feria Maintenance este año y con el fin de ofrecer un espacio anual de referencia al sector del mantenimiento industrial, Easyfairs y Bilbao Exhibition Centre (BEC) organizarán en 2016 la conferencia internacional 'Maintenance Innovation Conference-MIC'. La convocatoria tendrá lugar los días 2 y 3 de junio,



El reto de innovar y la Industria 4.0, en el centro del programa de Maintenance Innovation Conference

Innovation Conference

El mantenimiento es un factor clave en el marco de la Industria 4.0 para transformar las nuevas posibilidades que ofrecen el big data, el cloud farming, la impresión 3D, el machine learning o la realidad aumentada en una nueva manera de hacer negocio, más rentable, escalable y competitiva.

Esta es una de las principales conclusiones de la primera reunión del Comité de Expertos de MIC-Maintenance Innovation Conference, celebrada a finales del pasado mes de enero.



Maintenance Innovation Conference: Un espacio técnico y comercial de referencia para el sector

14/03/2016

ITP, Petronor, IK4 Tekniker, Sisteplant, Tecnatom, Tecnalia, Ixion, Dmg Mori, Siemens, Loire Gestamp y Zayer son algunas de las empresas confirmadas e invitadas a formar parte del panel de ponentes de Maintenance Innovation Conference, que se celebrará en Bilbao Exhibition Centre los próximos 2 y 3 de junio. La participación en el evento de éstas y otras compañías como Bahía de Bizkaia Electricidad o EDP Naturgas Energía, integrantes del Comité de Expertos, convertirán MIC en el evento técnico y comercial de referencia para el sector de mantenimiento industrial.

TRADE FAIRS

Calendar

Hannover Messe

25. - 29.04.2016,
Hannover/Germany
Deutsche Messe
www.hannovermesse.de

Coil Winding Expo

10. - 12.05.2016,
Berlin/Germany
I2I Events Group
www.coilwindingexpo.com

"Maintenance Conference" concurrently with "Machine Tool Exhibition" June in Bilbao/Spain

Ansio-Barakaldo/Spain (BEC) - For the first edition of the Maintenance fair, and with the intention of staging an annual benchmark event for the industrial maintenance sector, Easyfairs and Bilbao Exhibition Centre (BEC) are to organise an international conference in 2016 under the name "Maintenance Innovation Conference (MIC)". The event is scheduled to take place on June 2-3, concurrently with the Machine-Tool Exhibition, so as to make good use of the great potential for

mittee is to include renowned experts in the field of maintenance. The event will take place in the framework of the Industry 4.0 concept, in which predictive maintenance is important for adapting processes and methods, and in which smart features are set to make a key contribution to maintenance management. A recent study by the World Economic Forum and Accenture has found that planned repairs can result in a 12% cost saving, and that maintenance costs can



NOTICIAS

Publicado por: Eduardo Torral

15. febrero 2016

La Industria 4.0, el foco de la Maintenance Innovation Conference



Interempresas

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14/03/2016



mic
maintenance
innovation conference
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AFM Advanced Manufacturing Technologies

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E!
C!** BILBAO EXHIBITION CENTRE

EXPOSSIBLE!

SEE YOU IN 2018!

Book your dates for next year:

28/05 – 1/06/2018

We will continue to keep you informed about the latest predictive maintenance technologies and how to implement them in your company to increase competitiveness in the current context of digitalisation of industrial processes.

We would like to thank all those present at the IMIC 2016 for their participation: Delegates, Speakers, Exhibitors, Sponsors, Partners, Media as well as the Committee of Experts for their excellent collaboration work and effort.

For further information:

www.imicbilbao.com

