



EUROPEAN ALUMINIUM

14TH INTERNATIONAL ALUMINIUM RECYCLING CONGRESS

RECYCLING AT ITS BEST:
THE CIRCULAR ECONOMY
OPPORTUNITY



7-8

FEBRUARY 2017

The Midland Hotel,
Manchester, UK



14TH INTERNATIONAL ALUMINIUM RECYCLING CONGRESS

RECYCLING AT ITS BEST:
THE CIRCULAR ECONOMY
OPPORTUNITY

www.alueuroperecyclingcongress.eu

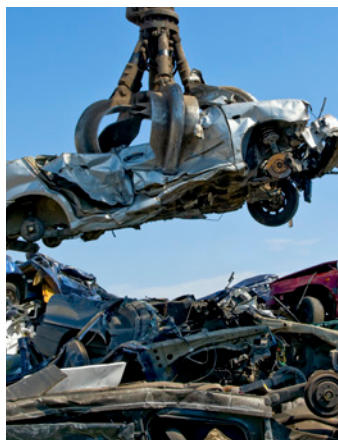


EUROPEAN ALUMINIUM

Avenue de Broqueville 12 - 1150 Brussels - Belgium

Phone: +32 2 775 63 63 - Fax: +32 2 779 05 31

@ info@european-aluminium.eu www.european-aluminium.eu [@EU_Aluminium](https://twitter.com/EU_Aluminium)



INTRODUCTION

Dr Gerd Götz

Director General
European Aluminium

It is my pleasure, on behalf of European Aluminium, to welcome delegates to the 14th International Aluminium Recycling Congress in Manchester, UK. Held every two years since 1990, our congress is one of the leading events in the field of aluminium recycling. The theme of this year's edition is of key importance to our industry - **Recycling at its best: the circular economy opportunity**.

A more circular economy was at the heart of our industry long before any legislation was proposed. As aluminium is an infinitely recyclable material, closing the loop is a top priority. The congress is an occasion to share not only the latest political developments on the topic but concrete examples from the recycling value chain. A tour of Hydro Aluminium Deeside Ltd in Wrexham will further highlight the potential of aluminium scrap.

From politicians to academics to industry leaders, speakers will contribute their expert knowledge over the two-day congress. An international market outlook for the aluminium recycling industry will look at current trends and future projections. Discussions will take a close look at challenges facing the industry, such as how to reduce the exports of aluminium scrap. They will also address innovations and technological developments that will shape the industry over the coming years.

Beyond the panel debates, the congress will provide plenty of time to network and grow your business. And no event is complete without a relaxed and memorable experience: a tour and dinner in the famous Manchester City Etihad football stadium.

So on this note I hope you will have a successful and enjoyable congress. I wish you fruitful discussions both in person and online using the Twitter hashtag **#IARC2017**!

PROGRAMME

TUESDAY, 7 FEBRUARY

POLICY AND MARKET OUTLOOK: WHERE DO WE STAND?

08.00 - 13.00
13.00 - 14.00

/ Field trip to Hydro Aluminium Deeside Ltd plant located in Wrexham, UK
/ Welcome lunch

14.00
OPENING
/ **SESSION**

Welcome address
Gerd Götz, Director General, European Aluminium
Congress facilitator
Aminda Leigh
Keynote Speech
Mr. Gwenole Cozigou, Director for Resources Based, Manufacturing and Consumer Goods Industries, DG GROW

14.35
/ **SESSION 01**
The Circular Economy
Potential

European Parliament's views and priorities to make the circular economy happen
Julie Girling, Member of Parliament
The aluminium industry contribution to Europe's global leadership for a circular economy
Roland Scharf-Bergmann, Norsk Hydro ASA & Chair of the Recycling division

Coffee break

15.35
/ **SESSION 02**
The aluminium recycling
market outlook

International forecast on aluminium recycling
Marco Georgiou, CRU Group, U.K.
The global mass flow project
Marlen Bertram, Director Product Stewardship, International Aluminium Institute (IAI)
Q&A

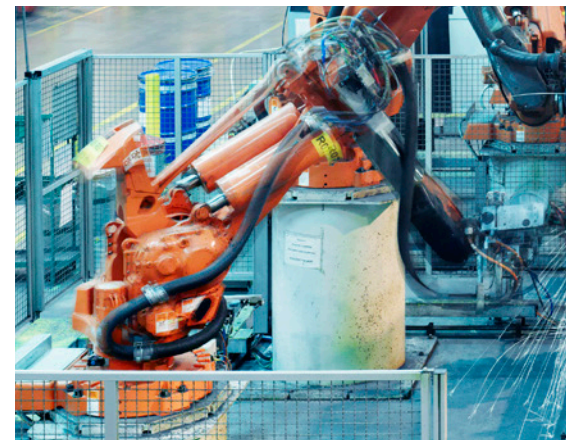
16.25
/ **SESSION 03**
Enhancing the collection
of aluminium scrap:
a sizeable challenge?

Landfilling and illegal exports of End of Life Vehicles: the unwanted reality
Beate Kummer, ScholzAlu
Building and construction demolition: aluminium waste collection
Thomas Lauritzen, Vice Chairman of A / U / F Board
Meeting the challenges of increasing recycling levels in Europe's largest aluminium packaging market
Rick Hindley, Alupro
Q&A

Evening programme at Manchester City Football Etihad Stadium

/ Coach departure from the hotel
/ Visit of the Manchester City Football Etihad Stadium
/ Cocktail and dinner

18.30
19.00 - 19.30
19.30 - 22.00



WEDNESDAY, 8 FEBRUARY

TURNING WASTE INTO RESOURCES

08.00

/ Welcome coffee and registration

09.00
/ **SESSION 04**
Spotlight on innovation in
recycling

Introduction
Magdalena Garczyńska, Recycling Director, European Aluminium
New aluminium recycling concepts
Prof. Bernd Friedrich, RWTH Aachen University
High shear processing of recycled aluminium scrap for manufacturing high performance aluminium alloys
Prof. Geoff Scamans, Brunel University London
Benefits and limitations of scrap recycling for the high-performance alloys
Werner Fragner, AMAG Austria Metall GmbH
Expert panel/discussion

Coffee break

11.05
/ **SESSION 05**
Closing the loop:
concrete examples in the
recycling value chain

Innovative aluminium solutions for Jaguar and Land Rover
Adrian Tautscher, Jaguar Land Rover
Aluminium packaging: a vital ingredient for a circular economy
Christophe Boussemart, Sustainability Manager, Nespresso
Evolution of the aluminium content in cars and effectiveness of end-of-life recycling
Patrik Ragnarsson, Senior Manager Automotive & Transport Group, European Aluminium
Q&A

Lunch

13.10
/ **SESSION 06**
The technological
developments

A new dross salt slag recycling process
Alan Peel, ALTEK
Turning waste into resources: fully recycling of salt slags in the aluminium industry
Adrian Platt, BEFESA
REDWAVE 3-way sorting: a new way to sort aluminium scrap
Martin Weiss, REDWAVE
Q&A

14.20
CLOSING
/ **SESSION**

Closing remarks
Gerd Götz, Director General, European Aluminium

SPEAKERS



MARLEN BERTRAM
DIRECTOR PRODUCT
STEWARDSHIP,
INTERNATIONAL ALUMINIUM
INSTITUTE (IAI)

Marlen Bertram, Director - Product Stewardship, joined the International Aluminium Institute (IAI) in 2008. Her role is to position the aluminium industry with regard to their sustainability and recycling qualification. Her current focus is on the IAI Mass Flow Project, which studies aluminium cycles on regional and global scales. Before joining the IAI, Ms. Bertram worked for the Organisation of European Aluminium Refiners and Remelters (OEA), as Manager Recycling since 2004. She holds a degree as Dipl.-Ing. in Environmental Science and Process Engineering.



**CHRISTOPHE
BOUSSEMARY**
SUSTAINABILITY MANAGER,
NESPRESSO

Christophe Boussemart began his career as a rollercoaster engineer. His time at Nespresso has been equally fast-paced since joining the R&D team 15 years ago. Driven by a combined passion for innovation and sustainability, Christophe was responsible for several inventions to make coffee machines more energy efficient and reduce their environmental impact. The success of these developments sparked an ambition to improve the sustainability of every cup of Nespresso coffee. Today, Christophe is dedicated full-time to developing recycling solutions for Nespresso consumers all around the world. The pioneering Nespresso scheme integrates 100,000 collection points in 38 countries in a system which recovers both the aluminium and the valuable coffee grounds, which are converted into nutrient-rich compost or bio-gas. Christophe was also one of the pioneers of the Aluminium

Stewardship Initiative - an industry-wide collaborative effort towards the goal of sustainably and responsibly sourcing aluminium.



GWENOLE COZIGOU
DIRECTOR EU COMMISSION,
DG INTERNAL MARKET,
INDUSTRY, ENTREPRENEURSHIP
AND SMEs

An economist by training, Gwenole Cozigou has been an official in the European Commission since 1985 in the fields of Enterprise and Industrial Policy and of External Relations. Since December 2008, he has been Director in DG GROWTH (DG Internal Market, Industry, Entrepreneurship and SMEs), in charge of competitiveness issues and EU internal market legislation for several industrial sectors, including REACH, engineering industries, medical devices, raw materials, etc. His main responsibilities today cover: circular economy, energy union and energy-intensive industries, construction, automotive industries, raw materials and engineering industries.



WERNER FRAGNER
HEAD OF CORPORATE
TECHNOLOGY AMAG AUSTRIA,
METALL GMBH RANSHOFEN

Werner Fragner studied "Process Engineering and Plant Construction" at Montanuniversity Leoben (Austria) and "Environmental Science and Engineering" from 1998 - 2000 at the Colorado School of Mines (USA). From 2001 he worked in the casting division of LKR (Light Metal Competence Center) and then managed this division from 2006 on. In 2010 he transferred to AMAG, where he took over the management of the process optimization at AMAG casting. In 2012 Werner earned his Ph.D. degree on "Investigation of the Interface Reaction of Al and Binary Al-Alloys on Mild Steel

Substrates for Al Compound Casting". Since 2013 he is responsible as head of Corporate Technology at AMAG.



PROF. BERND FRIEDRICH
RWTH, AACHEN UNIVERSITY

Prof. Dr.-Ing. Dr. h.c. Bernd Friedrich studied nonferrous metallurgy the RWTH Aachen University. From 1984 to 1987 he worked as research assistant at IME, Aachen and defended Ph.D. thesis in applied electrochemistry. From 1988 to 1992 he worked as head of the R&D department and from 1992 to 1995 as profit center manager "Hydride-technology and smart materials" at GFE, Nuremberg, Germany. From 1995 to 1999 he was plant manager at Varta AG with responsibilities for the operations in Hagen, Germany (NiCd/NiMH), and Ceska Lipa, Czech Republic (Li-Ion). In 1999 Bernd Friedrich became director of IME Process Metallurgy and Metal Recycling, chair and department of the RWTH Aachen University. He authored and co-authored more than 400 publications in scientific journals and conference-proceedings and received the Dr honoris causa degree from DonTU Donetsk Technical University in 2011.



**MAGDALENA
GARCZYŃSKA**
RECYCLING DIRECTOR,
EUROPEAN ALUMINIUM

Magdalena Garczyńska has over 10 years' experience in engineering and public affairs. She leads the recycling division within the European Aluminium. Prior to joining the European Aluminium, she was a technical manager at the European Association of the Machine Tool Industries (CECIMO) where she guided the association's work on environmental, energy, research and

engineering issues. She also worked at the NSF International as quality control auditor and the Berlin University of Technology as a researcher. Magdalena holds a M.Sc. degree in mechanical engineering from Poznan Technical University/Poland and a post-graduate degree in Fluid Dynamics from The von Karman Institute for Fluid Dynamics/Belgium. European Aluminium has enlarged its membership to recyclers which were previously represented by the Organisation of the European Aluminium Recycling industry (OEA), and consequently founded a new Recycling Department to be headed by the Recycling Director.



MARCO GEORGIU
MANAGING CONSULTANT AND
HEAD OF THE PRIMARY AND
THE PRODUCTS,
ALUMINIUM DIVISION CRU

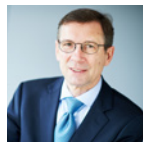
Marco Georgiou is a Managing Consultant at CRU and is Head of CRU's Primary and Products Aluminium division. He is the editor of CRU's aluminium primary publications which deliver high quality analysis incorporating aluminium production, demand and price forecasts. Marco regularly provides insight on the aluminium market at world aluminium conferences and is a respected authority on aluminium. Prior to working at CRU, Marco had extensive experience working in London and Munich in the aluminium, composites and semiconductor industries. Marco has an MBA from the OUBS, an MSc in Physics from Bristol University and a BEng (Hons) Materials Engineering from Liverpool University.



JULIE GIRLING
MEMBER OF PARLIAMENT

Julie Girling was born in London, educated at Twickenham County Grammar School followed by Liverpool

University where she graduated in 1979 with a degree in History and Politics. In 1999 Julie was elected as a Councillor on Cotswold District Council and became Leader of the Council in 2003. In 2000 she was elected to Gloucestershire County Council and became Lead Cabinet Member for the Environment in 2005. Julie was delighted to be elected as MEP for the South West of England and Gibraltar in June 2009 and successfully re-elected for a second term in May 2014. With a keen interest in all agricultural and environmental matters she was very pleased to be reappointed to the Environment, Public Health & Food Safety Committee as UK Conservative Spokesperson and is currently Rapporteur on Air Quality. Julie is also a member of the Agriculture Committee and the Women's Rights & Gender Equality Committee as well as a member of the ASEAN Delegation for relations with South East Asia.



DR GERD GÖTZ
DIRECTOR GENERAL,
EUROPEAN ALUMINIUM

Dr Gerd Götz has been Director General of European Aluminium since 2013. Gerd looks back to more than 20 years of experience in the electronics industry where he has held different managing roles in public affairs, corporate communications and brand management in Hamburg, Brussels and Amsterdam, after having started his career as business editor in Berlin. He was most recently Vice President and Global Head of Public Affairs with Royal Philips. He has been deputy global director of Philips' Corporate Communications department between 2003 and 2008. A German national, he studied Business Administration and Economics at Berlin's Free University and Université Paris-Dauphine, and earned his Ph.D. from Berlin's Free University.



RICK HINDLEY
EXECUTIVE DIRECTOR
ALUMINIUM PACKAGING,
RECYCLING ORGANISATION
(ALUPRO)

Rick Hindley has spent the past 27 years in a number of different roles in the packaging recycling industry as an aluminium specialist in the UK. He joined the Aluminium Can Recycling Association (ACRA) in 1989 as regional manager. He was heavily involved in the launch of the national programme to encourage consumers to recycle aluminium drink cans. Rick left ACRA in 1999 to join Alcan Aluminium Can Recycling as operations manager, responsible for the company's "cash for can" centre network. In February 2007, after a short period working for Valpak he joined the Aluminium Packaging Recycling Organisation (Alupro) as Executive Director. He is responsible for developing and implementing the aluminium industry's strategy to maximise the recycling rate for aluminium packaging in the UK. He is also a Director of the Aluminium Federation and a member of the UK Government's Advisory Committee on Packaging (ACP).

SPEAKERS



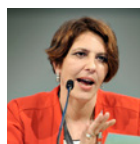
DR BEATE KUMMER
CHEMIST AND TOXICOLOGIST
CONSULTANT, SCHOLZALU

Dr Beate Kummer, consultant, since 2005 managing director of her own consultancy Kummer:Umweltkommunikation GmbH, has now around 20 years experience in the waste management sector and all other environmental aspects. Her background includes experiences in science, consulting, lobbying, stakeholder management, education, communication and political affairs. Since 2005 she is also an adviser for Scholz Holding GmbH, working on communication and education. She is responsible for the contacts to the press and politicians in the EU and on a national basis. Since years she is also working on the problems of the high amounts of ELVs which are leaving the European market. When she finished her studies in Freiburg and Los Angeles 1994 with degrees in chemistry and toxicology, she joined bvse – Bundesverband Sekundärrohstoffe und Entsorgung e.V. in Bonn, first as consultant, later she became managing director.



THOMAS LAURITZEN
VICE CHAIRMAN
A/U/F BOARD

Thomas Lauritzen is the Senior Vice President of Schüco International KG and a Business School Graduate. He has been with the company for 25 years and has held various leadership positions. He is currently a Board member of the following associations: European Aluminium; the German window, door and curtain wall association (VFF); and the German recycling initiative (AUF).



AMINDA LEIGH
CONGRESS FACILITATOR

Aminda Leigh is a British journalist with more than 25 years' experience, half of which working for various BBC radio and TV channels. She moved to Italy in 2001, from where she runs her own business offering journalism, production, moderation and translation services for a wide variety of European and international clients. She specialises in environmental issues, culture and EU affairs. Aminda has made award winning web-documentaries and news videos for the European Commission, among others. She has moderated entire conferences and sessions at major events - for example EU Green Week and the European Business Summit - covering subjects such as the circular economy, resource efficiency, sustainable development, green growth and climate change.



ALAN PEEL
CEO, MANAGING DIRECTOR,
ALTEK

Alan Peel is CEO, Managing Director, and part owner, of the ALTEK group, a company that specialises in technical innovation and solutions for the aluminium cast house and aluminium recycling operations within the aluminium industry, and which has operational bases in both the UK and US. His experience covers 30 years of designing, selling, managing and executing complex capital plant projects (from smaller \$200k value projects right through to very large \$300million turnkey projects) in the metals industry all over the world. He holds several patents, is a leading authority on the use of electromagnetic stirring technology within aluminium cast houses and a regular presenter of technical papers at many international aluminium conferences around the world each year.



ADRIAN PLATT
MANAGING DIRECTOR,
BEFESA UK,
PRESIDENT, ALUMINIUM
FEDERATION (ALFED)

Born in Liverpool in 1966, Adrian Platt's career began as an industrial process chemist. In 2003, after 16 years in the chemicals industry, Adrian moved to the aluminium sector when he was appointed managing director of Befesa Salt Slags UK. In addition, Adrian also has a management role with the company's international salt slags division, which has plants in the UK, Spain and Germany. Adrian's background in chemicals and engineering has enabled him to gain an extensive knowledge of the current and future salt slag and spent pot liner processing industry. In 2014 Adrian's interest in environmental issues led to his becoming chair of the new Meres and Mosses Business Environment Network, a new environmental partnership model bringing together businesses, environmental groups and conservation charities in the Marches area. Adrian is passionate about manufacturing and the future of the aluminium industry.



PATRIK RAGNARSSON
SENIOR MANAGER
AUTOMOTIVE & TRANSPORT,
GROUP OF EUROPEAN
ALUMINIUM

Patrik Ragnarsson works as a Senior Manager in the Automotive & Transport Group of European Aluminium. After a Master of Science degree in vehicle engineering at KTH in Stockholm 2001, he started his career working for a Swedish consultancy firm. Before joining European Aluminium in 2010, he worked with research at LMS International and the University of Leuven. Patrik has a broad experience from different European research projects in the field of transportation. At European Aluminium Patrik is responsible for advocacy, communication and project

management. He is managing the association's effort to coordinate lobbying activities in order to support aluminium applications in European cars and commercial vehicles. In this task, collaborations with national aluminium associations, trade associations, NGOs and other stakeholders are of key importance.



PROF. GEOFF SCAMANS
CHIEF SCIENTIFIC OFFICER,
INNOVAL TECHNOLOGY

Geoff Scamans is the Chief Scientific Officer at Innoval Technology and is a Professor of Metallurgy at Brunel University. His expertise is in light metals and their applications in the automotive and aerospace industries, and in knowledge transfer from the research base to industry. Over the last 40 years he has initiated and managed a number of R&D programmes on both aluminium alloy development and technological innovation, making scientific and technological contributions to the light metals sector, described in over 150 publications. His main interests are in developing higher performance aluminium alloys and in the closed loop recycling of aluminium alloys as an alternative to primary production in order to transform the aluminium industry from packaging based products into transport based products ("Cans to Cars").



ROLAND SCHARF-BERGMANN
SENIOR VICE PRESIDENT,
HYDRO ALUMINIUM

Roland Scharf-Bergmann is responsible for the Business Unit Recycling in Hydro Aluminium and has a governance role for recycling globally. He has been a member of the Metal Markets and Primary Metal Management Teams since he joined Hydro in 2009.

From 1998 to 2009 he worked for the companies VAW-IMCO, IMCO Recycling and Aleris finally serving as CEO of the European recycling operations of Aleris Recycling. From 1990 to 1998 Roland worked for Air Products & Chemicals in Hattingen, Germany, and Walton-on-Thames, UK serving as product, sales and marketing manager. During his career Roland held several positions in the German and European Recycling associations as well as on the LME aluminium committee. Currently he serves as chairman of the Recycling Division of European Aluminium Association. He holds a Diploma degree in Non-Ferrous Metallurgy from Technical University of Clausthal-Zellerfeld, Germany.



ADRIAN TAUTSCHER
RESPONSIBLE FOR
SUSTAINABLE ALUMINIUM
STRATEGIES, JAGUAR
LAND ROVER

Adrian Tautscher has worked at Jaguar Land Rover for 15 years and is responsible for Sustainable Aluminium Strategies. His role is leading Circular Economy initiatives with a focus on aluminium and a number of research projects pioneering new closed-loop and recycling approaches. Adrian has led the long term strategic 'REALCAR' (REcycled ALuminium CAR) project that has developed greater recycling from closed-loop sources. REALCAR and further projects have investigated opportunities to exploit additional recycled aluminium from post-consumer and End-of-Life vehicles and potential for re-use and re-manufacture. These projects are developing strategies for use in the next generation Jaguar and Land Rover vehicles. Previous responsibility within Jaguar Land Rover was Group Leader for the Materials Engineering Body-in-White/Corrosion Teams that has led the introduction of new materials into the latest aluminium architectures.



MARTIN WEISS
GLOBAL SALES MANAGEMENT,
REDWAVE XRF

Martin Weiss, MSc attended the Higher Technical College in Weiz, Austria with a specialty in Mechanical/Environmental Engineering. After the military service he studied Industrial Environmental Protection- Process Engineering at the Montanuniversity of Leoben, Austria. During that time he was working for several companies in the fields of waste management and environmental protection. In the year 2011 Martin Weiss earned his Master Degree in Science and joined REDWAVE XRF where he is currently responsible for Global Sales Management.

SPONSORS



ALTEK

www.altek-al.com

ALTEK is a technology-based company with specialist expertise and experience in the design, manufacture and installation of aluminium dross and scrap processing systems. Our engineers have, between them, over 300 years of international experience in developing and refining solutions to aluminium dross and scrap aluminium recycling. They are a unique skill resource for our worldwide customers.

NESPRESSO

www.nestle-nespresso.com

Nespresso is the reference point for the highest-quality portioned coffee. It has grown into a global brand, doing business across 64 countries with more than 12,000 employees and a network of over 450 exclusive boutiques. Nespresso has become a pioneer of recycling since it began investing in its dedicated system 25 years ago, expanding the network to include hundreds of thousands of drop-off points and Recycle@home schemes in many of the countries where its products are sold. For more information, visit nestle-nespresso.com.

ABB

www.abb.com/metals

Since introducing the modern Al-EMS in the 1960s ABB Metallurgy Products has maintained its position as the world's leading supplier of electromagnetic (EMS) products for steel and aluminium, having equipped over 250 aluminium furnaces worldwide, including both liquid and air-cooled, side and bottom-mounted systems, providing over 1,500 accumulated years of operation and earning more experience and metallurgical expertise than any other EMS supplier. In fact, ABB have the most comprehensive range of EMS products on the market. With more choice, more expertise and more experience ABB can deliver more improvements in the productivity, quality and cost-efficiency of your operation.

EXHIBITORS



Photo: Hydro Flickr

TSI ChemLogix

www.tsi.com

Finally see what you've been missing with a handheld instrument that offers lab-grade aluminum and light metals analysis in the palm of your hand. The TSI ChemLogix ChemLite™ Laser Metals Analyzer, based on laser-induced breakdown spectroscopy (LIBS), quickly and accurately measures alloying elements, like Si, Mg, Li, in Aluminum alloys in as little as 3 seconds with limits of detection as low as 0.01%. Easily separate AA6061 vs. AA6063, AA7050 vs. AA 7075, and AA2014 vs. AA2024. Quantify Al in Ti 6-4. With high accuracy and high precision, trust the ChemLite Analyzer to provide you with the right analysis.

TOMRA

www.tomra.com/recycling

TOMRA Sorting Recycling is established in more than 50 global markets and offers hundreds of different sorting applications to separate a large variety of valuable fractions including plastics, metals and paper from waste. Our sorting systems recover clean material fractions, delivering significantly higher yields and increased value from the input material. We can develop and implement bespoke recycling solutions for your business.

SECOPTA

laser based sensor systems

www.secopta.com

SECOPTA analytics GmbH focuses on the development and manufacturing of robust laser-spectroscopic measurement systems designed for fast and precise process analysis. In the field of laser induced breakdown spectroscopy (LIBS) SECOPTA is a leading supplier. Particularly the industrialized positive material identification (PMI) and precision recycling benefit from the outstanding advantages of this technology. In the field of quality control mostly the multielement analysers of the FiberLIBS inline series come to use. The exceptionally fast MopaLIBS sensors usually are applied for the classification and analysis of metal alloys in precision recycling tasks and for the online analysis of primary raw materials.

RUF

BRIQUETTING SYSTEMS

www.ruf-briquetter.com

RUF Brikettiersysteme are the leading briquette machine manufacturers with more than 30 years' experience of development and production in the field of briquetting. All research, development and manufacturing takes place in our headquarters in Bavaria, Germany, and our world renowned briquetting machines are distributed to around 30 subsidiaries and sales partners in over 100 countries worldwide. Briquetting is a profitable process for a wide range of industries including metals, primarily aluminium. Briquetting adds value by recovering coolants, reducing transportation costs, producing higher value scrap as well as making re-melting possible and/or more profitable.

Rigaku

www.rigakuanalytical.com

Rigaku Analytical Devices is a leading innovator of handheld metal analysers utilising Laser Induced Breakdown Spectroscopy (LIBS) to enable rapid alloy identification for scrap metal sorting and quality assurance of metal-based components used in manufacturing. See the KT-100™ Katana™ handheld LIBS, the only certified rugged metal analyser for harsh environments. Alloying elements, such as aluminium (Al), beryllium (Be) and magnesium (Mg) can now be accurately identified in seconds.

REDWAVE

www.redwave.at

Advancement through technical progress. REDWAVE is a reliable partner for profitable solutions in the recycling industry. Advanced optical sorting machines and complete plant solutions grant highest recycling rates and maximum profit. REDWAVE is the world leader in the XRF sorting technology which grants especially for metal sorting new profitable possibilities (sorting of various kinds of metals like ZORBA, ZURIK, etc.). REDWAVE has engineered, built and delivered successful sorting plants worldwide for more than 10 years now.

EXHIBITORS



Photo: Hydro Flickr

NESPRESSO®

www.nespresso.com

Nespresso is the reference point for the highest-quality portioned coffee. It has grown into a global brand, doing business across 64 countries with more than 12,000 employees and a network of over 450 exclusive boutiques. Nespresso has become a pioneer of recycling since it began investing in its dedicated system 25 years ago, expanding the network to include hundreds of thousands of drop-off points and Recycle@home schemes in many of the countries where its products are sold. For more information, visit nestle-nespresso.com.

melting SOLUTIONS

www.meltingsolutions.com

Melting Solutions offer a full range of furnaces and ingot casting equipment for casthouses in all areas of the aluminium industry. With more and more demand for recycling, and realisation of the ever increasing value of scrap as a valuable resource and low cost feedstock, Melting Solutions specialist know how and furnace technology for scrap and dross melting, continues to deliver energy efficient high productivity furnaces that achieve high metal recoveries, ensuring profitability for its customers worldwide. Key to this success is Melting Solutions customer partnership taking projects from initial concept through to commissioning and beyond with long term training and maintenance.

Engitec Technologies

www.engitec.com

Engitec is an Engineering and Contracting Company that provides complete plants and equipment for the recycling of non-ferrous metal such as aluminium, lead, zinc and copper. Engitec is passionate about fulfilling the needs of the end-user; ensuring health and safety for the environment and operators; and guaranteeing the quality of products and the reliability of equipment. Aluminium industries might be particularly interested in Engitec's sorting and scrap preparation; furnaces; ingot casting system; dross and salt cake treatment plant; induction heaters for billet extrusion; and high efficiency heaters for billet extrusion.

ELDAN RECYCLING

www.eldan-recycling.com

In 2016, Eldan Recycling made also a 100% acquisition of Redoma System from RETECH. It is now also the largest manufacturer of equipment for cable recycling. Together the companies have more than 90 years' experience in cable recycling.

ALTEK

www.altek-al.com

ALTEK is a technology-based company with specialist expertise and experience in the design, manufacture and installation of aluminium dross and scrap processing systems. Our engineers have, between them, over 300 years of international experience in developing and refining solutions to aluminium dross and scrap aluminium recycling. They are a unique skill resource for our worldwide customers.

MEDIA PARTNERS



ALUMINIUM INTERNATIONAL TODAY

www.aluminiumtoday.com

Aluminium International Today is an English language bi-monthly journal dedicated to the production and processing of aluminium. It contains a digest of global industry news, events and statistics, as well as more detailed technical articles, company and country profiles, conference reports and regular, regional economic briefings.

AlCircle™
www.alcircle.com

www.alcircle.com

AlCircle is one of the top and few exclusively aluminium-based web portals in the world that calls itself a Virtual Aluminium Ecosystem. It offers a range of information and business related services along the entire aluminium value chain from bauxite ore to end users & recycling. It intends to provide a one-stop platform for global aluminium players to gain current industry information, take better business decisions, collaborate & conduct business. It also offers an effective on-line communication medium and a platform for promoting web marketing activities for all operators in the aluminium sector.

EUWID

www.euwid.de

EUWID is a specialist trade publisher with a team of approximately 40 journalists, covering a wide range of industries. Whether recycling, timber, or energy - our editorial teams stay in close contact with industry players to report on the key developments in their sectors. We carefully check the information, add context and package the news in a compact format that provides concise coverage and analysis. Our readers save precious time because EUWID gives them quick access to reliable information.

EurActiv

www.euractiv.com

EurActiv is the leading online media dedicated to EU policies, providing free in-depth information to the Community of EU Actors. The EurActiv Network is present in 12 EU capitals, publishes free EU news and facilitates EU policy debates for policy professionals in 12 languages. With 2,3 million page views and 794,992 'unique visitors' per month, EurActiv is the leading online media on EU affairs. We address 80% of our readers in their own language.

metefi

www.metef.com

The next edition of METEF will be held in Verona (Italy) from 21st to 24th June 2017. METEF is a reference point for the ferrous and non-ferrous metals recycling industry, represented by manufacturers of the most advanced machinery and systems for the collection and recycling of metals, environmental quality and energy efficiency. Specialized visitors from the RECYCLING sector are: car wreckers, metal collectors and recyclers, users of scrap for secondary metal, waste disposal operators and traders of recycled metals. METEF's last edition confirmed the value of this international show with over 400 exhibitors and more than 10,000 visiting operators.

R Recycling International

www.recyclinginternational.com

For more than 19 years, Recycling International has been reaching more than 33,000 readers top industry leaders, association/authority officials and equipment/machinery boffins in the global recycling industries. Published 8 times per year, Recycling International's regular magazine sections include: in-depth feature articles on the leading recycling topics of the day; expert analyses of the ferrous/non-ferrous scrap, stainless steel, recovered paper and textiles markets; updates on all the key international legislation; reviews of the world's major recycling conventions, congresses and trade shows; updates on recycling technology and new product developments; news and product news. www.recyclinginternational.com.

RECYCLING magazine

www.recycling-magazine.com

RECYCLING magazine is a publication for the Recycling industry which focuses on the recovery of solid wastes. It covers all topics concerning this item: market developments, legislation, technical issues, new products and technologies, management knowledge. The magazine provides independent, deeply investigated information about all aspects of secondary raw materials. The magazine has a long track record, it has a history of 70 years.

NOTES



/ ABOUT EUROPEAN ALUMINIUM

European Aluminium, founded in 1981 and based in Brussels, is the voice of the aluminium industry in Europe. We actively engage with decision makers and the wider stakeholder community to promote the outstanding properties of aluminium, secure growth and optimise the contribution our metal can make to meeting Europe's sustainability challenges. Through environmental and technical expertise, economic and statistical analysis, scientific research, education and sharing of best practices, public affairs and communication activities, European Aluminium promotes the use of aluminium as a material with permanent properties that is part of the solution to achieving sustainable goals, while maintaining and improving the image of the industry, of the material and of its applications among their stakeholders. Our 80+ members include primary aluminium producers; downstream manufacturers of extruded, rolled and cast aluminium; producers of recycled aluminium and national aluminium associations are representing more than 600 plants in 30 European countries. Aluminium products are used in a wide range of markets, including automotive, transport, high-tech engineering, building, construction and packaging.



EUROPEAN ALUMINIUM

14TH INTERNATIONAL ALUMINIUM RECYCLING CONGRESS

RECYCLING AT ITS BEST:
THE CIRCULAR ECONOMY
OPPORTUNITY

SPONSORED BY:

ALTEK

NESPRESSO®

ABB



Photo: HAI Aluminium



Photo: Hydro Flickr

ALUEUROPERECYCLINGCONGRESS.EU