

IARC 2016

16th International Automobile Recycling Congress IARC 2016

March 16 – 18, 2016, Berlin, Germany



Patronage:

Alliance of Automobile Manufacturers
European Automobile Manufacturers' Association (ACEA)
Association of European Automotive and Industrial Battery Manufacturers (EUROBAT)
Automotive Recyclers Association (ARA)
Automotive Recyclers of Canada (ARC)
Confederation of European Waste-to-Energy Plants (CEWEP)
European Association of Automotive Suppliers (CLEPA)
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Malaysia Automotive Recyclers Association (MAARA)
PlasticsEurope



FOREWORD



MANFRED BECK

Chairman of
the Steering Committee
International Automobile
Recycling Congress

I think it would be right to suggest that, after 15 editions of the International Automobile Recycling Congress (IARC), it has established itself as the event for the global international automotive recycling industries.

IARC 2016 is expected to attract over 250 car recyclers and a host of other interested parties such as car manufacturers and also local and European-level politicians, among others. Attendees will converge on the German capital of Berlin to hear about latest relevant developments from politicians as well as from experts in the vehicle manufacturing and recycling arenas.

Keynote speakers

We are delighted that the congress will be opened by two excellent keynote speakers.

The first of these, **Julian Allwood**, is Professor of Engineering and the Environment at the Univer-

sity of Cambridge, UK. His speech will be entitled "Automobiles and sustainability: Bridging the gap between environmental security and commercial reality". Prof. Allwood worked for Alcoa for 10 years prior to pursuing an academic career. In parallel with developing new manufacturing technologies for metals, he has built up a research group looking at environmental systems and production. Between 2009 and 2013, he held an EPSRC Leadership Fellowship to explore "material efficiency" as a climate mitigation strategy, delivering material services with less new material. Our second keynote speaker, **Oliver Scholz**, is CEO of the Scholz Group of companies, one of Europe's major metals recycling companies with processing plants in a number of European countries and further afield. In his speech entitled "Stop export of end-of-life vehicles", he will

address an issue that has been circulating for many years but persists to this day.

Mr Scholz will propose a possible means of ending the illegal export of around 4–8 million ELVs from the EU. At the core of his initiative is an obligation on a car owner to prove that he has handed in his old car for recycling before the motor vehicle tax can be cancelled.

Panel discussion

A panel discussion entitled "Illegal aspects of legal export" will also address the consequences of this ELV export flow for the car recycling industries.

In her introduction, Artemis Hatzi-Hull, Policy Officer of the European Commission's DG Environment, will give an overview of "The ELV Directive – 15 years of implementation".

Moderated by Arie de Jong of ARN in the Netherlands, several high-profile participants will share their opin-

ions on the subject: Tilman Baehr, Ministry of Environment and Energy, Germany; Dr Tobias Bahr, ACEA, Belgium; Artemis Hatzi-Hull, European Commission, Belgium; Regina Kohlmeyer, Federal Environment Agency, Germany and Chris Slijkhuis, Müller-Guttenbrunn Group, Austria.

Hot topics

During the three-day event, the following will be addressed:

- Country reports: delegates will learn how ELV recycling is developing in China, India, Turkey and Brazil;
- Gasification and waste-to-energy;
- Recycling technologies: shredder trials, ELV glass and recovered fuels;
- Strategic impact of demographics and relationships on contemporary automotive recycling;
- Whether closed-loop recycling can be applied to automotives;

- Monitoring results;
 - Future mobility and what a car will look like in 2030.
- Also during the congress, commercial presentations-so-called "Company Spotlight and Tech Talks" – focusing on the recycling industry will be held in the exhibition area.

Plant tours

For the day after the congress, the organisers have planned interesting plant tours to leading recycling companies and a car manufacturer.

Networking

And, of course, no congress can succeed without sufficient networking opportunities. For this purpose, IARC 2016 will offer an attractive combination of coffee breaks, lunches, cocktail receptions, a free beer bar and a networking dinner.

I look forward to welcoming you at IARC 2016 in Berlin.

WHO SHOULD ATTEND?



- Automobile manufacturers
- Automotive parts and materials suppliers
- Automobile importers and dealers
- Recycling and dismantling companies
- Shredding companies
- Ferrous and non ferrous metal traders
- Plastics industry
- Non ferrous metal industry
- Ferrous and stainless steel industry
- Collection and transportation companies
- Financing organizations for ELV recycling
- Environmental authorities
- Universities and research institutes
- Laboratories for material science



KEYNOTE SPEAKERS

JULIAN ALLWOOD

University of Cambridge
Professor of Engineering and the Environment
Department of Engineering
United Kingdom

“Automobiles and sustainability:
Bridging the gap between environmental
security and commercial reality”



OLIVER SCHOLZ

Scholz Holding GmbH
CEO
Germany

“Stop export of end-of-life vehicles”



INTERNATIONAL STEERING COMMITTEE



MANFRED BECK
Chairman
Recycling International
Publisher
Netherlands



ROGER BLESİ
Thévenaz-Leduc SA
CEO
Switzerland



ARIE DE JONG
ARN Holding B.V.
CEO
Netherlands



RICHARD PAUL
Environmental
Management
Consultant
USA



OLIVIER FRANÇOIS
Vice-Chairman
Group GALLOO Recycling
Market Development Officer
France



JAN BOLLEN
ArcelorMittal Technology
Environment Product
Manager
Belgium



JOSEPH M. HOLSTEN
LKQ Corporation
Chairman of the Board
USA



WILLY TOMBOY
RECHARGE
Chairman of the
Industrial Battery
Working Group
Belgium



JULIEN VAN DAMME
Chairman of the Lecture Group
Honda Motor Europe Ltd.
Recycling Manager
Belgium



**DR FRANCESCO
BONINO**
Fiat Research Center
LCA & ELV Expert
Italy



STEVE HOPE
Toyota Motor Europe NV/SA
General Manager
Environmental Affairs and
Corporate Citizenship
Belgium



DR RUGGERO ALOCCI
Alocci Rappresentanze
Industriali
President
Italy



ROGER BURRI
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KLEPPMANN**
CEWEP President
ITAD Chairman from 1999
to 2015
Germany



DR TOBIAS BAHR
European Automobile Manu-
facturers' Association – ACEA
Environmental Policy Director
Belgium



DANIEL CHRISTEN
Stiftung Auto Recycling
Schweiz
Managing Director
Switzerland



**CATHERINE
LENAERTS**
Febelauto
Managing Director
Belgium

LOCATION & ACCOMMODATION

A number of rooms are held at a discounted rate by registering before **February 10, 2016**. If you wish, you may also extend your stay at the same rates.



The 16th International Automobile Recycling Congress IARC 2016 will be held from **March 16 – 18, 2016** in the Hotel Palace in beautiful Berlin. The hotel is located in the heart of Berlin between the Gedächtniskirche church and Kurfürstendamm avenue, just a few minutes away from Potsdamer Platz and the Brandenburg Gate.

Berlin has two airports: The airport Tegel (TXL) has excellent road and public transport connections. The city center can be reached within a 20 minutes taxi ride. From the airport Schönefeld (SXF) the journey to the hotel is 50 minutes.

Hotel Palace Berlin *****

Budapester Strasse 45
10787 Berlin, Germany
Phone +49 30 2502 0
Fax +49 30 2502 1109
www.palace.de

IMPORTANT NOTICE:

We have been alerted that unofficial housing providers are trying to contact IARC delegates and exhibitors claiming to be associated to ICM and can secure hotel rooms at the Hotel Palace Berlin. These companies are not authorized to represent ICM nor IARC. Please note that we have no affiliation with any housing coordinator. If you have any concerns, contact us at info@icm.ch.



BERLIN – COSMOPOLITAN AND OPEN-MINDED

Berlin, located at the heart of Europe, is the third most popular travel destination in Europe. The city's attractiveness lies in its diversity and its inexhaustible potential: Visitors can pick their highlights from the long list of sights such as the Brandenburg Gate or the TV Tower and cultural institutions like the 180 museums and memorials, 440 galleries, and three UNESCO World Heritage sites. And for those who look for relaxation: In Berlin, the fast-paced metropolis and resting areas in nature are not far apart – every district has its green oasis.

Berlin is also a center for fashion and shopping. International exhibitions like the Berlin Fashion Week make guests familiar with the latest trends.

The four big shopping complexes – Kurfürstendamm, Potsdamer Platz, Friedrichstrasse and Alexanderplatz – along with smaller trend shops in the "scene" districts of Mitte, Prenzlauer Berg, Kreuzberg and Friedrichshain display anything from chic haute couture to casual street wear.

In the culinary scene, all tastes are catered to as well. Few other cities have developed such creativity in their kitchens. Every type of food is ready to be tasted, from Asian delights over oriental food to German classics and Michelin star-awarded restaurants – Berlin can do it all.



www.visitberlin.de/en

TUESDAY, MARCH 15, 2016
17.00-19.00 PRE-REGISTRATION

CONGRESS PROGRAM IARC 2016

TUESDAY, MARCH 15, 2016

17.00 – 19.00 Pre-Registration

WEDNESDAY, MARCH 16, 2016

08.00 – 09.15 Registration and welcome coffee in the exhibition area

09.15 – 10.30 "Welcome and introduction"
Manfred Beck, Chairman of the Steering Committee

OPENING AND KEYNOTE SPEAKERS

"Automobiles and sustainability: Bridging the gap between environmental security and commercial reality"
Prof. Julian Allwood, University of Cambridge, United Kingdom

"Stop export of end-of-life vehicles"
Oliver Scholz, Scholz Holding GmbH, Germany

10.30 – 11.00 Coffee break in the exhibition area

11.00 – 12.30 Panel Discussion: "Illegal aspects of legal export"

Introduction: "The ELV Directive – 15 years of implementation"
Artemis Hatz-Hull, European Commission, Belgium

Moderator: Arie de Jong, ARN Holding B.V., Netherlands

Participants: Tilman Baehr, Ministry of Environment and Energy, Germany
 Dr Tobias Bahr, European Automobile Manufacturers' Association – ACEA, Belgium
 Artemis Hatz-Hull, European Commission, Belgium
 Regina Kohlmeyer, UBA – Federal Environment Agency, Germany
 Chris Slijkhuis, Müller-Guttenbrunn Group, Austria

12.30 – 14.00 Lunch in the exhibition area



Session 1: Dismantling & Remanufacturing
Session Chairman: Richard Paul, Environmental Management Consultant, USA

14.00 – 14.30 "Brazilian ELV market"
Arthur Rufino, JR Diesel and Bruno Garfinkel, Porto Seguro, Brazil

14.30 – 15.00 "Strategic impacts of demographics and relationships on contemporary automotive recycling"
Ryan Mandell, B&R Auto Wrecking, USA

15.00 – 15.30 "Can closed loop recycling be applied to automobiles?"
Dr Alexandra Pehlken, Carl von Ossietzky University and Thomas Wagner, Callparts System GmbH, Germany

14.00 – 15.30 Company Spotlight and Tech Talks
 These presentations are held in the exhibition area

"Innovative sorting of aluminum and zorba"
Martin Weiss, REDWAVE, a division of BT-Wolfgang Binder GmbH, Austria

"The gentle way to success! Key factors for highly efficient reground recycling"
Clemens Kitzberger, EREMA, Austria

"Three brands, one solution"
Richard Tromp & Cor Groen, BHS Europe / Nihot/NRT, Netherlands

"Synthetic carbon production by ASR treating plant"
Davide Braga, Danieli & C Officine Meccaniche S.p.A., Italy

15.30 – 16.00 Coffee break in the exhibition area

Session 2: Monitoring results
Session Chairman: Julien Van Damme, Honda Motor Europe Ltd., Belgium

16.00 – 16.30 "How ÖCAR facilitates the achievement of the 2015 ELV recycling targets", **Pia Kleihs, ÖCAR Automobil-recycling GmbH, Austria**

16.30 – 17.00 "Achieving the 2015 targets: Lessons learnt and challenges", **Frédéricq Peigneux, Febelauto, Belgium**

17.00 – 17.30 "95% target: Results of the dismantlers and shredders in France"
Eric Lecointre, ADEME, France

16.00 – 17.30 Company Spotlight and Tech Talks
 These presentations are held in the exhibition area

"Safe transportation of damaged lithium Ion Batteries from the automotive sector", **Michael Knobloch, Genius Technologie GmbH, Germany**

"Smart Circular Economy for BIW and ELV scrap", **Dr Hans-Bernd Pillkahn, PROASSORT GmbH, Germany**

"Up-Cycling – Closing the Loop"
Ina Vrancken, 3M Deutschland GmbH, Germany

17.30 – 18.30 "Bierfass" reception in the exhibition area sponsored by

19.00 Departure by bus

19.30 Networking dinner at the "Bar jeder Vernunft"



CONGRESS PROGRAM IARC 2016



THURSDAY, MARCH 17, 2016

08.00 – 09.00 Welcome coffee in the exhibition area

Session 3:	Country reports Session Chairman: Joseph M. Holsten, LKQ Corporation, USA
09.00 – 09.30	"Development of car recycling regulations in China" Wei Sun, Volkswagen (China) Investment Co., Ltd., China
09.30 – 10.00	"Recycling of automobiles at End of Life – India at crossroads" Captain N.S. Mohan Ram, Society of Indian Automobile Manufacturers (SIAM), India
10.00 – 10.30	"ELV recycling in Turkey" Cagri Akin, Remer/ÖTASAD, Turkey

10.30 – 11.00 Coffee break in the exhibition area

Session 4:	Gasification and Waste-to-Energy Session Chairman: Jan Bollen, ArcelorMittal Technology, Belgium
11.00 – 11.30	"Waste-to-Energy in Europe" Ferdinand Kleppmann, CEWEP e.V., Belgium
11.30 – 12.00	"Chinook Sciences: Successful gasification of ASR for power generation and complete metal recovery in a commercially operating plant" Dr Rifat Chalabi, Chinook Sciences Ltd., United Kingdom
12.00 – 12.30	"Long term experience with gasification of shredder residues at Seinan, Japan" Genkichi Ando, Seinan Corporation, Japan

12.30 – 14.00 Lunch in the exhibition area

Session 5:	Technology Session Chairman: Olivier François, Group GALLOO Recycling, France
14.00 – 14.30	"Shredder trials: How to determine correctly how much of an end-of-life vehicle is recycled" Pieter Kuiper, ARN, Netherlands
14.30 – 15.00	"ELV-glass: RE-cycling or RE-covery?" Pieter Bartels, Maltha Groep B.V., Netherlands
15.00 – 15.30	"Innovative high Btu-value solid recovered fuels" Olivier Pitavy, Ecore-GDE, France

15.30 – 16.00 Coffee break in the exhibition area

Session 6:	Future mobility – How will a car look like in 2030? Session Chairman: Dr Francesco Bonino, Fiat Research Center, Italy
16.00 – 16.30	"On the road to sustainable mobility" Andy Fuchs, Toyota Motor Europe, Germany
16.30 – 17.00	Surprise Speaker

from 17.00 "Bierfass" reception in the exhibition area sponsored by



NETWORKING DINNER



Join us on Wednesday, March 16, 2016 at a memorable networking dinner at the fantastic location "Bar jeder Vernunft" accompanied by unforgettable show acts.

Do not miss this perfect opportunity to socialize with your business partners and register for this evening now!



Meet friends and business partners in a nice atmosphere!



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PLANT TOUR

FRIDAY, MARCH 18, 2016

ARCELORMITTAL, EISENHÜTTENSTADT



08.30	Departure by bus to ArcelorMittal
10.30	Arrival at ArcelorMittal
10.30 – 13.30	Visit of the steel producing plant
15.15*	Arrival at the airport Berlin-Schönefeld (only on request)
16.00*	Arrival at the airport Berlin-Tegel
16.30	Arrival at the Hotel Palace Berlin

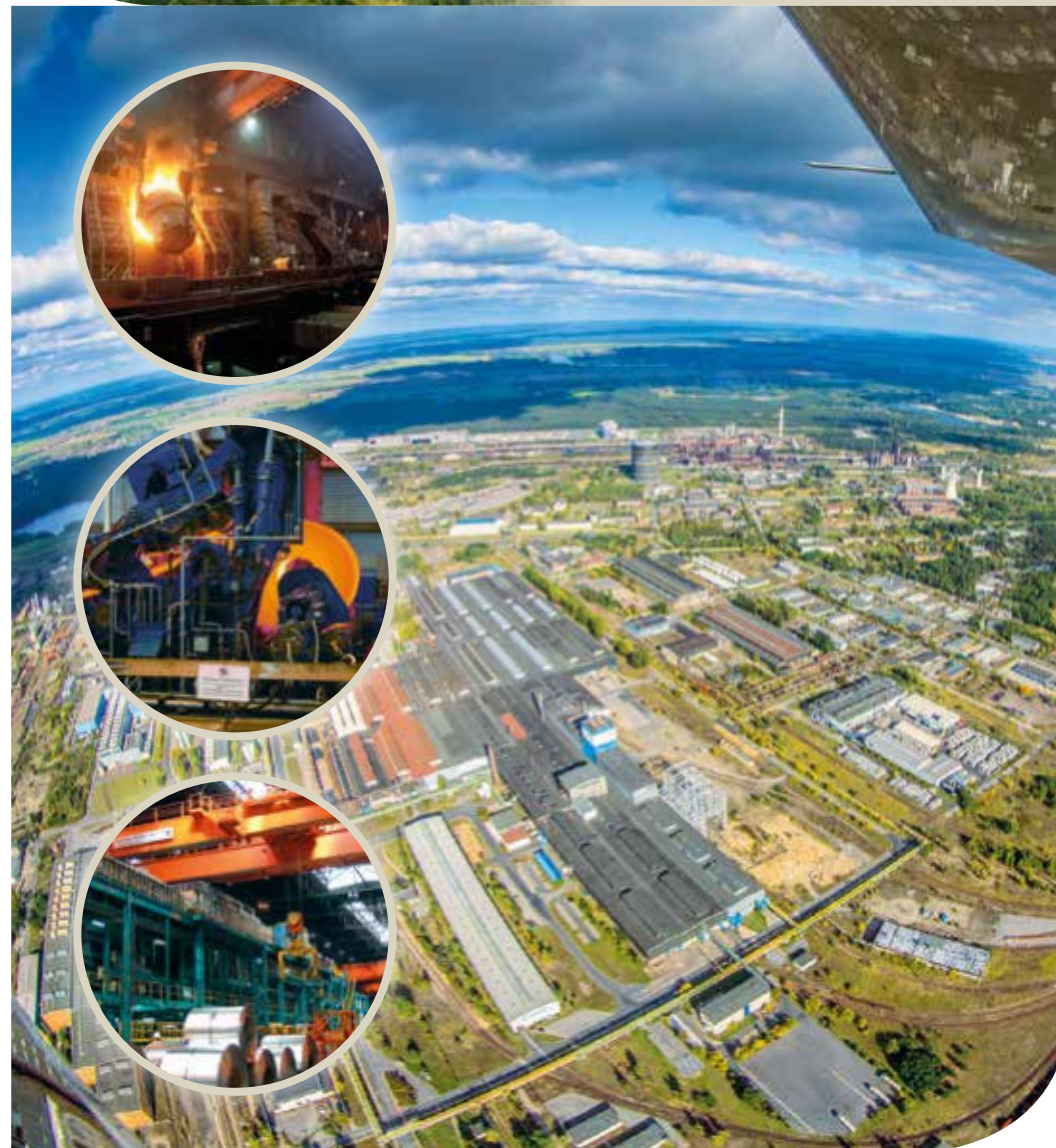
ArcelorMittal Eisenhüttenstadt is a successful and high-performance plant of the ArcelorMittal Group which is the biggest steel company all over the world. It stands for quality, sustainability and leadership. As a reliable provider of state-of-the-art goods and services the company has achieved an excellent reputation among its customers. More than 65 years ago the so-called "Eisenhüttenkombinat Ost", an iron-works with six blast furnaces, was established on the German-Polish border. Nowadays ArcelorMittal Eisenhüttenstadt has turned into a modern integrated steel plant with sophisticated facilities and technologies. Being the biggest industrial development centre in East Brandenburg, ArcelorMittal Eisenhüttenstadt has more than 2700 well-trained employees who work everywhere starting from the hot metal production up to the processing of high-quality flat carbon steel products.

In 2014 Eisenhüttenstadt produced 1.6 million tons of flat steel and 0.4 million tons of slabs and blooms with a turnover of 1.1 billion Euros. The company invested 33 million Euros for new equipments and modernization.

Eisenhüttenstadt delivers its high-quality products made out of flat steel to Central and Eastern Europe and Germany. Customers come from the automotive, white goods and construction industries. For several hundred years, steel has been an indispensable material in almost all fields of daily life. Especially during the 21st century, it gains more and more importance in research and development, in new technologies and in energy efficiency in particular. Steel is a green product and can be infinitely recycled. Every ton of steel produced at Eisenhüttenstadt contains 20 to 25% scrap.

eisenhuettenstadt.arcelormittal.com, germany.arcelormittal.com

* No guarantee on arrival due to traffic conditions.



PLANT TOUR

FRIDAY, MARCH 18, 2016



CALLPARTS RECYCLING GMBH, KETZIN

09.00	Departure by bus to Callparts Recycling GmbH
10.30	Arrival at Callparts Recycling GmbH
10.30 – 13.30	Visit of the car dismantling / car parts plant
14.45*	Arrival at the airport Berlin-Tegel
15.15	Arrival at the Hotel Palace Berlin

Callparts Recycling GmbH belongs to MOSOLF.

MOSOLF is one of the biggest international service providers when it comes to car-logistics. Within over 50 years more than 40 million cars were moved by MOSOLF. Since then 35 locations have been built up all around Europe, including 15 in Germany.

Callparts Recycling GmbH has developed to a unique and exclusive supplier of high quality spare part packages. With our long lasting experience and knowledge in dismantling cars, we are able to provide spare part packages of new or as good as new vehicles of well-known car manufacturers. We dismantle the vehicles and form spare part packages of all parts that belong to a vehicle. Spare parts and raw materials of the vehicles are sold.

We developed a business-software which is specialized for car recycling companies. Our software is able to fulfill all necessary tasks to organize and run a car recycling company successfully.

In our online shop www.callparts.de over 400'000 items are on stock. Many other car-recycling companies cooperate with us and offer their parts in our online-shop. Therefore, we can offer this large amount of individual spare parts without having them on stock at our location only.

As a service for car-manufacturers we manage take-back networks for end-of-life vehicles in Germany and Czech Republic. That means we organize and hold a complete network of car-recycling companies which guarantees that an owner of a car is able to give away his old or damaged car without any problems no matter where he lives. Around 100 companies participate in our take-back network in Germany and around 20 in the Czech Republic. They are certified by us and checked frequently.

www.callparts-recycling.de

* No guarantee on arrival due to traffic conditions.



www.callparts-recycling.de

PLANT TOUR

FRIDAY, MARCH 18, 2016

CCT STEGELITZ GMBH, MÖCKERN OT STEGELITZ



08.45 Departure by bus to cct Stegelitz GmbH
10.30 Arrival at cct Stegelitz GmbH
10.30 – 13.30 **Visit of the recovered carbon black production facility**
15.15* Arrival at the airport Berlin-Tegel
15.45 Arrival at the Hotel Palace Berlin

cct Stegelitz GmbH (cct) provides a valuable raw material, used to produce many of the rubber and plastic components of a vehicle, utilizing post-consumer rubber as feedstock. This material, recovered carbon black (rCB), supports a sustainable automotive and polymers industry.

cct's rCB manufacturing facility, in operation since 2012, is the first and only multi-thousand ton industrial production facility for rCB in Europe. rCB is a highly versatile, ecologically superior alternative to traditional carbon black. In certain applications it even outperforms traditional carbon black. Instead of using oil as feedstock, cct's product is "recovered" from post-consumer rubber and sold into the plastics and rubber industry to be used in compounds for new materials, most of which are for the automotive industry.

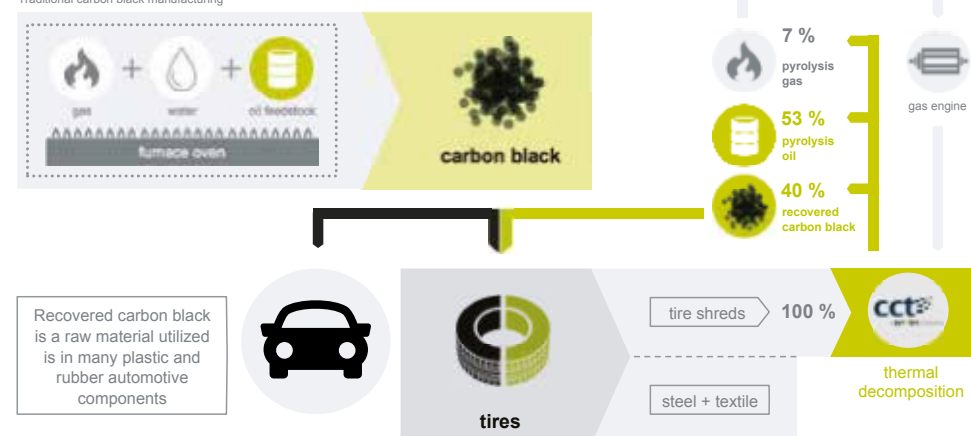
The rCB production process is based on a proprietary, patented two-tier process technology. Firstly, the post-consumer rubber is delivered in large shreds and split into its components via a depolymerization process (i.e. thermal cracking of feedstock and separation into key constituents: oil, gas, metal, char). Secondly, the resulting char is separated from metals, and processed into pellets. This product treatment is comparable to that of traditional carbon black.

We are transforming the tires of today into the vehicles of tomorrow!

www.carbon-clean-tech.com



Traditional carbon black manufacturing



* No guarantee on arrival due to traffic conditions.

PLANT TOUR

FRIDAY, MARCH 18, 2016

VOLKSWAGEN, WOLFSBURG

07.30 Departure by bus to Volkswagen
10.15 Arrival at Volkswagen
10.30 – 12.00 **Visit of the car manufacturing plant**
15.00* Arrival at the airport Berlin-Tegel
15.30 Arrival at the Hotel Palace Berlin

What do weddings, curried sausages and bicycles have in common with the manufacturing of a car?

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Experience the fascination of car manufacturing from a new perspective at Volkswagen.



www.volkswagen.de

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of car manufacturing from a new
perspective at Volkswagen.



EXHIBITION AND POSTER PRESENTATIONS

EXHIBITORS
AS PER NOVEMBER 27, 2015



The exhibition area provides your company with the perfect opportunity to reach key industry decision makers. Promote your products to all congress attendees. The fees are:

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Poster presentation (wall rental)	from EUR 350.-
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Participants registering and paying **before January 31, 2016** will benefit from a reduced registration fee. The registration fee includes congress, entrance to the exhibition, proceedings and luncheons.

ORGANIZER



**JEANETTE
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Congress Organizer



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REGISTRATION FEES

Congress fee

Fee for participants
Fee for speakers
Fee for students*

*only with valid student card and age below 30

	before Jan. 31, 2016	after Jan. 31, 2016
EUR	1'590.-	EUR 1'690.-
EUR	990.-	EUR 1'090.-
EUR	690.-	EUR 790.-

Networking dinner (March 16, 2016)

Networking dinner spouse (March 16, 2016)

EUR	100.-	EUR 120.-
EUR	120.-	EUR 150.-

Plant tours (March 18, 2016)

ArcelorMittal	EUR 50.-	EUR 70.-
Callparts	EUR 50.-	EUR 70.-
Carbon Clean Tech	EUR 50.-	EUR 70.-
Volkswagen	EUR 50.-	EUR 70.-

All prices excl. 19% German VAT

Congress registration on site EUR 100.- surcharge

Online registration

You may also register online at: www.icm.ch/iarc-2016

Additional proceedings

If it is not possible for you to attend the congress, you may purchase the complete proceedings at EUR 350.-. Participants will get the proceedings free of charge.

Payment

Payment should be made in EUR by bank transfer or by credit card. Wire payment to:

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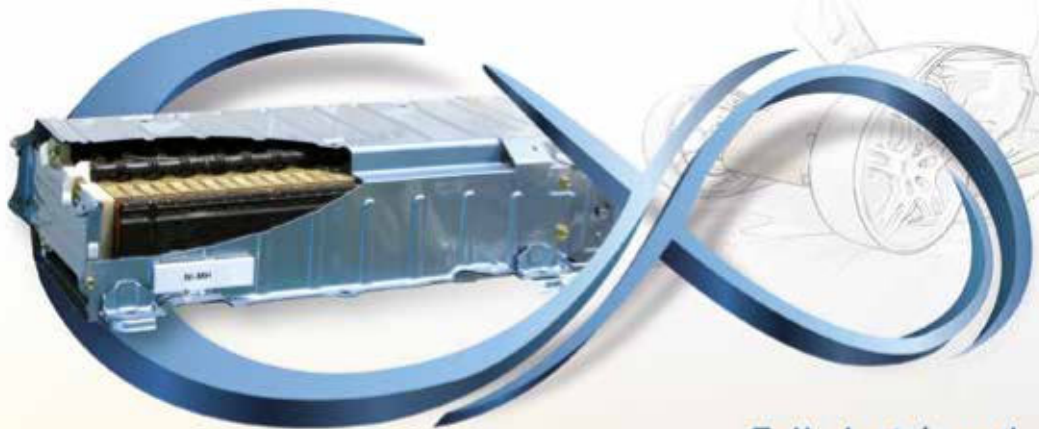


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