The majority of our raw materials come from non-renewable sources

There has to be a better option than this...

What do you see?
We see the opportunities
Sustainable Materials:
Those that provide environmental benefits over their entire life cycle, from manufacture through to final disposal

The Sustainable Materials Group:
For those interested in sustainable rubber products
It is not just recycling
Join us!
A Sustainable Materials Community:

Creating an international community of end users, recyclers, materials producers, OEMs and investors
What are the Member Benefits?

Access to the value chain community

- Annual networking event
- LinkedIn group - forum for members
- Member company profile pages with key contacts

Priority access to our experts

- Prioritised response from our experts
- Full access to proprietary research and cross-check programmes

Discounts on reports and services

- 15% discount on reports
- 10% discount on consultancy packages

Quarterly E-newsletter

- With SMG member contributions

Annual subscription fee of £500

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Together we can promote the use of sustainable materials within the rubber industry
Recovered Carbon Black (rCB)

‘A Case in Point’
Market Challenges

Will rCB meet my performance requirements?
rCB: We are the Experts

- Actively contributing to ASTM D24 committee for carbon black


- Promoting the virtues of rCB to the rubber community and beyond (RubberCon, Tire Tech, Advanced Engineering Show, DKG, Materials World)
rCB: A Unique Material

- Disparity between colloidal classification and performance related to surface chemistry
- A unique material requiring unique testing protocols

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Our Assistance Packages

Artis Carbon Coach Packages

• System review & identification of control parameters
• Process optimisations
• Product quality and consistency assessments
• Applications studies and advice
• Short & long-term support options

Full consultancy

• Tailored consultancy to meet your needs
Market Challenges

How is the material classified (ASTM)?

Will rCB meet my performance requirements?
2016 rCB Benchmarking Programme

• Benchmarking the performance of 25 rCB samples from 5 continents

• Working with our SMG community to create a new set of specifications and standards

• Promoting and incentivising rCB use through these specifications
Market Challenges

- Are sufficient volumes available?
- Will rCB meet my performance requirements?
- How is the material classified (ASTM)?
Estimated 2016 Capacity

Carbon Black
17,000,000 MT

rCB
100,000 MT
Market Challenges

Who makes quality rCB products?

Will rCB meet my performance requirements?

How is the material classified (ASTM)?

Are sufficient volumes available?
Our Assistance Packages

**ARTIS Assured Certification**
- Offers independent audit of QA protocols
- Validates that the material conforms to the COA and relevant specifications
- ARTIS centralised QA testing
- Remote data access

**QA Lab Assist**
- Detailed equipment & location survey
- Lab set up including kit validation, method development
- On-site training
- Remote support
- ARTIS Assured certification included

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Market Challenges

- Will rCB meet my performance requirements?
- How is the material classified (ASTM)?
- Are sufficient volumes available?
- Where can I find the right information?
- Who makes quality rCB products?
Our Reports and Guides

rCB Handbook
- Carbon black overview
- Pyrolysis overview.
- Challenges and market perception
- Carbon black market analysis
- Volume information for key applications by region
- Historic pricing models 2008→2016

Investor Guide
- For financial analysts
- Condensed version of the Market Report specified towards analyst requirements

rCB Technical Report
- Detailed technical view of products
- Key players and market capacity
- Detailed specifications review and proposals

User Guides
- Shows rCB can meet the key performance targets
- Compounding guidance

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What next?
Help us design the future SMG

- Sustainable Plasticisers
- Pulverised Fuel Ash
- De-vulcanisation
- Microwave Pyrolysis
- Rubber Reclaim
- Crumb Activation
- UHPW Crumb
- rCB
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