CELSA Manufacturing
Environmental Statement 2015

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Environmental statement verification
Bureau Veritas Certification with EMAS environmental verifier registration number UK.V.003 accredited or licensed for the scope 24.10 declares to have verified whether the site(s) or the whole organisation as indicated in the environmental statement of the organisation, CELSA Manufacturing (UK) Ltd., meet all requirements of Regulation (EC) No 1221/2009 of the European Parliament and of the Council of 25 November 2009 on the voluntary participation in a community eco-management and auditscheme (EMAS).

By signing this declaration, I declare that:
• The verification and validation has been carried out in full compliance with the requirements of Regulation (EC) No 1221/2009.
• The outcome of the verification and validation confirms that there is no evidence of non-compliance with applicable legal requirements relating to the environment.
• The data and information of the environmental statement reflect a reliable, credible and correct image of all the site activities within the scope mentioned in the environmental statement.

Signed:
Carl Rogers
Date: 20 November 2015
Bureau Veritas Certification, United Kingdom, UK.V.0003
Message from the General Manager

This is our sixth Environmental Statement, following EMAS registration in 2009, and it covers the year of 2014. The market conditions for the steel sector remain exceptionally challenging, but CELSA remain focused on the continual improvement of our Environmental, Health and Safety performance.

CELSA is one of the biggest recycling companies in the UK, and is committed to being a sustainable steel making company and all businesses operating under the CELSA Group brand are required to take account of the environmental, social and economic consequences in their day to day decision making and practices. Through recycling end of life steel and manufacturing totally recyclable steel products, CELSA contributes significantly to the preservation of the environment.

Most of the objectives and targets that we set ourselves for 2014 have been met, which is a testament to the dedication of all of our employees and that of our service contractors.

CELSA was the first company to have all it’s products accredited to the eco-reinforcement responsible sourcing standard and its parent standard BES6001, the BRE environmental and sustainability standard for responsible sourcing of construction products. CELSA Manufacturing has recently been certified to the SustSteel standard, the Sustainability for Steel Construction Products Mark. This in conjunction with EMAS registration and the publication of this statement demonstrates our commitment to environmental matters.

The use of best available techniques and also empowering people through involvement and team work will enable us to remain a competitive and sustainable company.
Introduction

EMAS
This document has been prepared by CELSA Manufacturing UK Ltd (CELSA Steel UK) in accordance with the requirements of the Eco Management & Audit Scheme (EMAS) as set out in European Council Regulation 1221/2009.

EMAS is a voluntary scheme designed to recognise and reward those organisations that go beyond minimum legal compliance and continuously improve their environmental performance, therefore demonstrating ‘green’ credentials. It was initially established by European Regulation 1836/93, although this has been replaced by Council Regulation 1221/2009.

It is a requirement of the scheme that participating organisations regularly produce a public Environmental Statement that reports the organisation’s environmental performance clearly and accurately. The accuracy and reliability of the information in this voluntary publication must be checked and certified by an independent environmental verifier.

This document is the Environmental Statement of CELSA’s environmental attributes and environmental performance for the period 2010 to 2014. All the information is independently verified for accuracy, and a statement of confirmation is provided by the verifier at the end of the document.

Eco-Reinforcement & BES 6001
As part of CELSAs contribution to sustainable construction practices and sustainable development objectives, CELSAs products are accredited to the Eco-Reinforcement Responsible Sourcing Standard and to the Eco-Reinforcement parent standard, BES 6001, the BRE Environmental & Sustainability Standard for the Responsible Sourcing of Construction Products. This Environmental Statement has also been written in accordance with the higher level requirements of both the Standards.

CELSA achieved a Eco-Reinforcement certification rating of ‘Very Good’, whilst also attaining ‘Good’ status in BES 6001 certification for all other steel products manufactured in Cardiff.

This is an indicator of the continual improvement CELSA has accomplished following its commitment to implementing EMAS, and the progress realised through certification to the Eco-Reinforcement standard.

SustSteel
In June 2015, CELSA Manufacturing attained the SustSteel mark. Key Performance Indicators were measured and scored encompassing HR, Environmental, Health and Safety, Commercial, Finance and Quality aspects contributing to the sustainability of the company. CELSA Manufacturing achieved a score of 80 during the audit far exceeding the 60 pass mark. This is the highest score to be awarded out of all those in the CELSA GROUP™ who hold the SustSteel mark. This demonstrates our commitment to the sustainability of all aspects of our operations.

CELSA GROUP
CELSA was founded in Barcelona in 1967 with its first rolling mill. A decade later an electric arc furnace started producing steel at the Barcelona plant. The CELSA GROUP™ grew through reinvestment and successive acquisitions to become a well recognised brand in steel manufacture.

CELSA ranks amongst the top 60 steel-producing companies in the world, as well as one of the most diversified European long products producer.

CELSA has a diverse range of steel production and processing operations strategically positioned across Europe to both maximise our competitive spread and to reduce our transportation impacts.
CELSA Group Mission
We are the most diversified European private steelmaking group in long products.

Our purpose is:
• To satisfy all our customers with quality products and excellent and direct service.
• To be a competitive, profitable and innovative group leading our target markets and achieving sustained growth, by being an efficient, flexible and dynamic organisation.

We believe in:
• Our people, their effort and professional and personal development and teamwork.
• Continuously improving all our processes and activities and the permanent updating of our technology.
• Managing and operating our business in an ethical, safe and environmentally responsible manner.

By working together in this way, we will achieve a company with a sustainable activity and international presence for benefit of all concerned.

CELSA Group Vision
• We fight for results!
• We live for our customers.
• We feel like owners.
• We respect people and teamwork.
• We are sharp and flexible.
• We lead as ground-breakers.
• We lead by example.

CELSA Attitudes
• Honesty
• Humility
• Creative perseverance
• Groundbreaker
• Team Work
• Passion

CELSA Manufacturing UK (LTD)
CELSA Manufacturing (UK) Ltd (CELSA) was acquired by the CELSA Group in 2003. CELSA is the largest producer of steel reinforcement in the United Kingdom and one of the largest producers of other long steel products.

Our facilities at Cardiff comprise a new state of the art melt shop built in 2006, and two hot rolling mills: one for rolling reinforcing products and wire rod, the other for rolling merchant bar and light sections.

We manufacture and deliver approximately 1 million tonnes of finished product annually, mostly for the UK and Irish markets.

All of the steel we produce in our melt shop is produced from scrap metal using the electric arc furnace (EAF) process – we are a steel recycling plant.
Our products

**Primary raw materials**
The primary raw material used in the production of our steel is ferrous scrap metal which contributes in excess of 98% of the constituent raw materials by mass and volume.

**Secondary raw materials**
Other consumables include the mineral additions of ferro-alloys, coke and lime, which are added to control the chemistry and remove impurities from the molten steel.

**Energy**
The use of energy in the form of electricity, natural gas and carbon additions is significant and is central to the process of recycling steel.

**By-products**
By-products formed during the melting process include lime slag which is utilised as a secondary aggregate, dust utilised for zinc extraction and mill scale which is used in the manufacture of ferro-alloys and cement.

**Waste**
Whilst we generate large volumes of waste, both hazardous and non-hazardous we currently recycle or reuse over 95% of the wastes that we generate.

**Emissions to air**
Emissions of CO₂ are significant due to the combustion of carbon bearing sources such as natural gas, coke and carbon. Also, the consumption of natural gas in our processes results in the release of SOx, NOx, and CO.

**Finished products**

**Reinforcing bars**
For the reinforcement of concrete (Grade 500C)

**High Yield Coils**
For the reinforcement of concrete (Grade 500C)

**Flat bars**
With various applications including construction, transport and machinery.
Emissions to water
The water used in our cooling systems undergoes chemical treatment to prevent corrosion, the formation of legionella and to remove sludge. Stringent limits are placed on the quality of the water released from our systems and regular monitoring enables us to meet these requirements.

Finished products
We produce a range of steel products predominantly for the construction sector, but also with various other applications.

Transportation
Our raw materials and our finished products require transport either by road, rail or sea. We are constantly working on ways to minimise the impact of transport by using rail wherever possible.

Channels, Parallel, Tapered Flange & UPN
Typically used in composite steel construction.

Wire Rod
For the production of reinforcing mesh & other applications including wire drawing.

Plain round bars
With various applications including construction.

Equal & Unequal Angles
Typically used as a structural steel element in construction.
Environmental profile

Electric Arc Furnace Steel
The Process

Steel is almost 100% recyclable and can be recycled indefinitely without losing its quality, it can be efficiently and easily recovered for recycling from mixed waste streams.

There are currently two technologies for producing steel: that used in blast furnace plants which utilise iron ore to create new steel, and that used in electric furnaces which recycles steel scrap metal into new products.

One tonne of steel that is made from recycled scrap using an electric furnace, compared with primary steel manufacture saves:

- 1.350 tonnes of iron ore;
- 450kg of coal; and
- 20kg of limestone compared to primary steel manufacture from iron ore.1

Typically, the electric furnace process:

- Emissions to air and water are reduced by approximately 80%.2

CELSA has one of the lowest Carbon Dioxide per tonne of Carbon Steel (CO₂/tCs) rates for EAF steelmaking in Europe.

CELSA – 2014

Direct emissions
0.124 tonne CO₂ / tonne steel

Direct and Indirect emissions
0.271 tonne CO₂ / tonne steel

The arithmetic average of the top 10% most efficient installations, after verification³, is as follows:

- 0.061 tonne CO₂ / tonne steel for direct emissions
- 0.285 tonne CO₂ / tonne steel for direct and indirect emissions⁴

1 CELSA Armeringsstål AS Mo I Rana Environmental Statement 2009 in accordance with EMAS Regulations
2 CELSA Armeringsstål AS Mo I Rana Environmental Statement 2009 in accordance with EMAS Regulations
4 Source Eurofer Project number: 10.0148 “Verification Report for CO₂ Benchmarking Data – Steel Sector – Summary Report
What is sustainability?
Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs.

Sustainability focuses on the balance of three areas:
- Maintenance of economic growth and employment
- Social progress, recognising the needs of everyone (employees and community)
- Effective protection of the environment, now and in the future, including preserving natural resources for future generations.

What does sustainability mean to CELSA UK?
For the companies operating under the CELSA GROUP™ brand it means taking into account the environmental, social and economic consequences of the strategic decisions taken in our day to day tasks.

The principles of sustainability have been adopted into the CELSA UK business strategy and are reflected in the CELSA UK Mission, Vision and Values.

CELSA UK Mission
We are an environmentally focused steelmaking company, part of CELSA UK Holdings.

Our mission is:
- To be a profitable company
- To be sustainable: economically, socially and environmentally
- To be ahead of our competitors.

We are all committed and believe in:
- Working in a SAFE, ethical and environmentally responsible manner
- Empowering PEOPLE by involvement, participation and teamwork
- Satisfying our CUSTOMERS by gaining a full understanding of their needs and providing an excellent service and a wide range of quality products
- Continuously improving our PROCESSES, ACTIVITIES and TECHNOLOGY in order to be COST COMPETITIVE.

Through this we will deliver a sustainable future for ALL our stakeholders.

CELSA UK Vision
To be the first choice for the customers and other stakeholders; efficient with sustained profitability and leaders in safety and environment in our sector.

CELSA UK Manufacturing Values
- We fight for results!
- We live for our customers
- We feel like owners
- We respect people and teamwork
- We are sharp and flexible
- We lead as ground-breakers
- We lead by example.

CELSA UK Manufacturing Attitudes
- Honesty
- Humility
- Creative Perserverance
- Groundbreaker
- Team Work
- Passion
Environmental Statement CELSA Manufacturing 2015

Environmental policy & management systems

How does CELSA meet the requirements of sustainability?
At CELSA we see sustainability and sustainable practices as an integral part of our business strategy. We consider the environment, people and community in balance with the economics of our business and this is demonstrated in the following manner:

- CELSA is committed to continual improvements in all of it’s activities, products and services to minimise or eliminate any adverse impacts to the environment. We have operated an Environmental Management System (EMS) certified to ISO 14001 since July 2005.
- CELSA is registered under the Eco-Management and Audit Scheme (EMAS), which is a voluntary scheme designed to improve companies’ environmental performance.
- As a sustainable steel producer, CELSA is committed to responsible sourcing of constituent materials, by manufacturing and supplying products to customers in a responsible manner. Our merchant bar and light section products are certified to the BES 6001 standard, and our reinforcing products are certified to the Eco-Reinforcement Responsible Sourcing Standard both of which have been developed by the Building Research Establishment (BRE).
- In June 2015, CELSA obtained certification to the EUROFER Suststeel mark. This recognises our commitment to sustainability issues within the reinforced steel product sector.

CELSA Manufacturing (UK) Ltd

Environmental Policy

Scope
CELSA Manufacturing (UK) Limited (CELSA) is a major supplier of reinforcement and structural steel to the construction industry. CELSA recycles steel scrap by use of an Electric Arc Furnace (EAF), continuous casting of billets and hot rolling to produce reinforcing bar and steel sections. Additional recycling is achieved through mineral extraction/reuse of the furnace slag. CELSA recognises its business’ potential environmental impact and the part it has to play in maintaining a clean and healthy environment.

Policy
CELSA is committed to continually improve and evaluate its Environmental Impact so that any adverse impacts (direct or indirect) on the environment are either minimised or eliminated. CELSA will:

- All applicable environmental legal and other requirements to which CELSA subscribes are identified, monitored and complied with.
- The direct and indirect environmental aspects of CELSA’s activities are identified and subject to appropriate controls to prevent pollution, with regular monitoring of emissions undertaken.
- The emissions of greenhouse gases from all our production processes are targeted for reduction/removal.
- The consumption of energy and water and the generation of waste is minimised as far as practicable.
- Wherever possible the resources used in the production process are from recycled/renewable sources, and utilised as efficiently as practicable and in the case of natural resources are from sources that demonstrate their environmental stewardship.
- Waste in all its forms is recycled or reclaimed wherever practicable.
- The adverse impacts associated with the transportation of raw material to CELSA and delivery of products to customers are targeted for minimisation.
- Aim to conserve and/or where practicable enhance the biodiversity on site and work in partnership with nature conservation organisations to improve biodiversity in the surrounding areas.
- Objective and targets will be set on an annual basis and reviewed to evaluate performance against targets.
- Through the committed support and participation of all those involved in its operations, CELSA will fulfill this commitment achieve its objectives and help safeguard the environment for future generations.

This policy shall be communicated to all persons working for or on behalf of CELSA (including contractors) as part of the company training programme and made available to the public on request via the company website.

Luis Sanz Villares
General Manager

Last Reviewed: October 2014

Ref: CP/A004

CELSA Manufacturing (UK) Ltd

Environmentally Responsible Sourcing Policy

Scope
CELSA Manufacturing (UK) Limited (CELSA) is a major supplier of reinforcement and structural steel to the construction industry. CELSA recycles steel scrap by use of an Electric Arc Furnace (EAF), continuous casting of billets and hot rolling to produce reinforcing bar and steel sections. Additional recycling is achieved through mineral extraction/reuse of the furnace slag. CELSA recognises its business’ potential environmental impact and the part it has to play in maintaining a clean and healthy environment.

Policy
CELSA is committed to continually improve and evaluate its Environmental Impact so that any adverse impacts (direct or indirect) on the environment are either minimised or eliminated. CELSA will:

- All applicable environmental legal and other requirements to which CELSA subscribes are identified, monitored and complied with.
- The direct and indirect environmental aspects of CELSA’s activities are identified and subject to appropriate controls to prevent pollution, with regular monitoring of emissions undertaken.
- The emissions of greenhouse gases from all our production processes are targeted for reduction/removal.
- The consumption of energy and water and the generation of waste is minimised as far as practicable.
- Wherever possible the resources used in the production process are from recycled/renewable sources, and utilised as efficiently as practicable and in the case of natural resources are from sources that demonstrate their environmental stewardship.
- Waste in all its forms is recycled or reclaimed wherever practicable.
- The adverse impacts associated with the transportation of raw material to CELSA and delivery of products to customers are targeted for minimisation.
- Aim to conserve and/or where practicable enhance the biodiversity on site and work in partnership with nature conservation organisations to improve biodiversity in the surrounding areas.
- Objective and targets will be set on an annual basis and reviewed to evaluate performance against targets.
- Through the committed support and participation of all those involved in its operations, CELSA will fulfill this commitment achieve its objectives and help safeguard the environment for future generations.

This policy shall be communicated to all persons working for or on behalf of CELSA (including contractors) as part of the company training programme and made available to the public on request via the company website.

Luis Sanz Villares
General Manager

Last Reviewed: December 2014

Ref: CP/A006
• CELSA recognises that it’s people are paramount to the success of the company and are committed to ensuring the highest standards of health, safety and welfare for our employees. We have operated a Safety Management System certified to British Standard (BS) OHSAS 18001 since March 2009.

• CELSA is committed to providing it’s customers with a diverse range of high quality steel products. Each product and process is subject to stringent quality control to ensure that products conform to British and European Standards through CARES approval and CE marking. CELSA’s Quality Management System is certified to ISO9001.

WHEREAS ACHIEVING THIS ACCREDITATION WAS A LONG AND SOMETIMES ARDUIOUS PROCESS, THE ABILITY TO NOW DIFFERENTIATE OURSELVES AS NOT JUST MARKET LEADERS, BUT SUSTAINABLE MARKET LEADERS HAS PUT CELSA IN A PRIZED AND INVALUABLE POSITION WHEN IT COMES TO WINNING MAJOR CONTRACTS IN WHICH SUSTAINABILITY AND RESPONSIBLE SOURCING ARE KEY DRIVERS.

Luis Sanz, CELSA’s General Manager

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Health & Safety Policy

Cela Manufacturing (UK) Ltd

Health & Safety Policy

The Scope of this Policy is:

CELSA Manufacturing has the Health and Safety of people as a condition of employment, a core value that will not be compromised in the face of other business issues. This applies to everyone involved in the business, be they employees, service providers (subcontractors) or others such as suppliers, customers and visitors. Central to this, we maintain controlled and documented systems and procedures to ensure that we observe all law, regulations and other requirements applicable to our business.

• Ill-health and illnes will not be considered a normal part of the business and all significant risks shall be assessed and controls identified to control and prevent injury and illness.
• Leadership is essential to support Health and Safety initiatives and all managers are tasked with active engagement in this through individual performance assessment.
• Engagement and empowerment is key to the Health and Safety system and training is an essential part of this to ensure that all employees have the necessary training, skills and tools to do their job safely.
• Safety is a condition of employment of CELSA Manufacturing where every employee must take responsibility for their own, and their colleagues, Health and Safety and feel empowered to challenge any work processes if they believe this to be unsafe or unhealthy.
• Investment in Health and Safety is good business, and has a positive impact on employees and a contribution to improved business results.
• Before decisions are made, Health and Safety implications are assessed involving different levels of people to ensure a thorough approach.
• Continuous improvement is vital to the sustainable development of the business and the achievement of preventing injury and illness.
• Periodic reviews of our Safety Management System and this Policy are essential to ensure that it remains relevant and appropriate to the organisation.

This statement of our Health and safety Policy is communicated to every employee and made available to interested parties on request via the company website.

Luis Sanz Villane
General Manager

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Quality Policy

Cela Manufacturing (UK) Ltd

Quality Policy

It is the Policy of Cela Manufacturing (UK) Ltd, to enhance Customer satisfaction, and to meet customer expectations in all aspects of quality and service. We will achieve this by:

1) Ensuring that we meet all specified requirements of internal and external customers at all times.
2) Ensuring that we meet and at the present requirements of the standards, regulatory and legal requirements to which we work, for both our products and our quality management system.
3) Regularly monitoring the performance of our products, our service, and our quality management system.
4) Ensuring continual improvement of our products, our service, and our quality management system. This will be achieved by:
   • A programme management review
   • Establishing quality objectives at appropriate levels throughout the organisation
   • Ensuring the provision of appropriate human and infrastructure resources and a suitable working environment
   • Involving the whole workforce in seeking to improve the quality of the product or service they provide.
5) Ensuring good communication with our customers and our suppliers, to ensure customer requirements are fully met.

This policy has my full commitment, and that of the management team. It is to be communicated and understood throughout the organisation. The policy is implemented through the quality management system, the requirements of which are to be adhered to at all times throughout the organisation.

Luis Sanz Villane
General Manager
WHEN CROSSRAIL OPENS IN 2017, IT WILL INCREASE LONDON’S RAIL-BASED TRANSPORT NETWORK CAPACITY BY 10 PER CENT, SUPPORTING REGENERATION ACROSS THE CAPITAL...
Over the last three years, eight 1,000 tonnes tunnelling machines bored 42km or 26 Miles of new 6.2 diameter rail tunnels under London, as part of the largest and one of the most significant infrastructure projects in Europe. The project is estimated to add an extra £20 billion to the UK economy while bringing over 1.5 million people within 45 minutes of Central London.

Since its inception, sustainability has always been at the heart of this project. Crossrail have implemented ethical sourcing requirements for the procurement of construction materials, while also ensuring that all of the materials used on the project are sourced sustainably.

As part of these criteria, CELSA Steel UK has played a significant role through its daughter companies BRC and Express Reinforcements, by supplying over 50,000 tonnes of reinforcement bar for this historic project.

With 50,000 tonnes of CELSA material going into this project, all of which has a 98% recycled content, produced from 100% UK sourced recycled metal, CELSA continues to show its commitment to supporting the UK supply chain and leading the way in responsible sourcing.

When Crossrail opens in 2017 it will increase London’s rail-based transport network capacity by 10 per cent, supporting regeneration across the capital, helping to secure London’s position as a world leading financial centre, and cutting journey times across the city.
CELSA recognises that, like any manufacturing business, it’s activities can have both direct and indirect impacts upon the environment and in some cases these impacts have the potential to be significant if not properly managed.

CELSA has carefully evaluated and identified through its ISO14001 Environmental Management System the aspects of its business activities that could have environmental impacts. CELSA aspects are evaluated to determine their significance and reviewed on an ongoing basis. These are summarised as follows:

### Use of raw materials
We produce over 1,000,000 tonnes of steel every year and this utilises large volumes of raw materials in the process, including ferrous scrap, and mineral additions such as ferro-alloys and lime, as well as consumables such as refractories and electrodes. CELSA carefully manage their raw materials to ensure that they are responsibly sourced taking account of their environmental impact and used efficiently to avoid waste.

### Use of energy
As part of the metal recycling process, a significant amount of energy is used in the form of electricity, natural gas and carbon additions. We are careful to ensure that our processes are efficient so as to minimise the use of energy and to avoid waste.

### Use of water
During the production process of recycling steel water is used for process and product cooling. Some cooling water is lost by evaporation in cooling towers. This is an unavoidable loss but we work hard to minimise the use of water to ensure that we exceed the standards laid down for our processes, by harvesting as much rainwater as possible.

### Emissions to air
During the process of recycling steel scrap into new steel, large quantities of dust laden fume are generated. These fumes are captured and filtered to remove as much dust as possible but some particles will escape to air. Natural gas is also used in our processes and products of combustion (SOX, NOx, and CO) are released to air.

Image supplied by Tim Bowers, Celsa UK
Emissions to water
Process water cooling systems normally involve closed circuit cooling systems, which minimise releases to water. However these systems require the use of chemical treatment to prevent corrosion, stop the formation of legionella and allow the removal of sludge. Periodically we have to drain the systems down to the sewer system or to controlled waters which we try to keep to a minimum.

Production of CO2
The on site production of CO2 is significant and comes from the combustion of carbon bearing sources such as natural gas, coke and carbon. We also have to consider the CO2 that is created from the generation of the electricity that we use in our processes.

Use of oils and greases
As with most mechanical processes, we have to use lubricants and hydraulic oils. As these are mostly hydrocarbon based we try to minimise their use to avoid the depletion of natural resources, and to avoid the disposal impact of hazardous waste.

Generation of waste
Invariably waste, both hazardous and non-hazardous, is generated from the processes of scrap metal. Over 95% of the wastes produced are recycled, recovered or re-used.

Transportation
All our raw materials and finished products require transport either by road or by rail. We continuously evaluate ways to minimise the impact of transport and use rail wherever possible.

Impact of noise
Our processes are that of heavy industry and can generate some noise. We continuously work to reduce the impact of noise on the local community.
Due to the nature of the manufacturing process there is a requirement for each operation to be permitted under the UK Environmental Permitting regime which is regulated by Natural Resources Wales. CELSA monitors it’s compliance against the emission limit values and discharge consents in accordance with each of the permit requirements.

CELSA holds the following permits/authorisations:

**Melt Shop and Mineral Site:**
- Environmental Permit (EPR/TP3639BH)
- Trade Effluent Discharge Consent (TE1476)
- Licence to Abstract Water (21/57/25/78)

**Rod and Bar Mill:**
- Environmental Permit (EPR/BV0759IC)
- Licence to Abstract Water (21/57/25/0048)

**Sections Mill:**
- Environmental Permit (BV0767IT)
- Trade Effluent Discharge Consent (TE147F)

Whilst CELSA has not had any significant environmental incidents, there have been notifiable incidents which, in accordance with the Environmental Permits, require notification to the Natural Resources Wales. In all cases, CELSA has been proactive in identifying the cause of such incidents and for investigating and implementing corrective measures.

CELSA are required under the EU Emissions Trading Scheme (EU ETS) to publish annual greenhouse gas emissions, following verification from a accredited body.

The EU ETS works on the ’cap and trade’ principle. The overall volume of greenhouse gases that can be emitted each year by the industrial facility covered by the system is subject to a cap set at EU level.

CELSA hold three Greenhouse Gas Permits:
- Melt Shop [UK-W-IN-11838]
- Sections Mill [UK-W-IN-12611]
- Rod and Bar Mill [UK-W-IN-12612].

For those aspects of CELSA’s operations that represent the greatest potential for negative environmental interaction (emissions to air, land and water and energy consumption), the table adjacent shows typical levels of these emissions and discharges relative to our permitted limits.

Further and more detailed technical information on the reports made to Natural Resources Wales is available on the Environment Agency website as part of the Pollution Inventory which is publicly available by looking at ’What’s in my Backyard’ on the Environment Agency website www.environment-agency.gov.uk.
Performance against process emission limits

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<th>Emissions to sewer</th>
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<td>Oils and greases</td>
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<td>Iron compounds</td>
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<td>pH</td>
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<th>Process Limit</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOₓ</td>
<td>mg/m³</td>
<td>400</td>
<td>243.1</td>
<td>266.4</td>
<td>250.3</td>
<td>167.1</td>
<td>241.10</td>
</tr>
<tr>
<td>SOₓ</td>
<td>mg/m³</td>
<td>100</td>
<td>6.3</td>
<td>3.7</td>
<td>2.1</td>
<td>1.47</td>
<td>1.47</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Emissions to air</th>
<th>Units</th>
<th>Process Limit</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOₓ</td>
<td>mg/m³</td>
<td>400</td>
<td>302.2</td>
<td>255.2</td>
<td>205.8</td>
<td>224.7</td>
<td>229.31</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Emissions to water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suspended solids</td>
</tr>
<tr>
<td>Oils and greases</td>
</tr>
<tr>
<td>pH</td>
</tr>
<tr>
<td>Cl</td>
</tr>
<tr>
<td>Fe</td>
</tr>
<tr>
<td>Cr</td>
</tr>
<tr>
<td>Ni</td>
</tr>
<tr>
<td>Zn</td>
</tr>
</tbody>
</table>

Note – the process averages indicated are derived from either the annual report or the quarterly report averages made to the Natural Resources Wales as required in the permits to operate.
As part of CELSA’s Environmental Management System, CELSA has identified all of its potentially significant environmental aspects, whilst considering its legal requirements. Objectives and Targets are set on an annual basis to deliver continual improvement in the management of these environmental aspects.

CELSA’s governance of environmental issues goes beyond compliance with regulatory requirements and the company commitment to EMAS is evidence of this commitment to operate our business in an environmentally responsible manner. This is demonstrated through the setting of targets that deliver continued environmental performance.

Environmental objectives and targets

As part of CELSA’s Environmental Management System, CELSA has identified all of its potentially significant environmental aspects, whilst considering its legal requirements. Objectives and Targets are set on an annual basis to deliver continual improvement in the management of these environmental aspects.

CELSA’s governance of environmental issues goes beyond compliance with regulatory requirements and the company commitment to EMAS is evidence of this commitment to operate our business in an environmentally responsible manner. This is demonstrated through the setting of targets that deliver continued environmental performance.

2014 objective and targets performance

Melt Shop

- Reduce total energy [kWh/tonne] by 3%. Whilst this target was not met in 2014, an overall reduction in total energy of 1% was achieved.
- Reduce general waste [tonnes] by 5%. The Melt Shop did not meet the target in 2014. As a result, the Melt Shop are targeting correct waste segregation and introducing increased recycling facilities.
- Reduce water consumption [m3] by 4%. Unfortunately, CELSA were not able to achieve the target.
- Minimise fugitive emissions and complaints compared with 2013. The Melt Shop achieved a reduction of 66% compared with 2013. CELSA continues to engage with the local residents and stakeholders in the surrounding area.

Rod & Bar Mill

- Reduce oil consumption [litres] by 3%. The RBM achieved a 9% reduction, exceeding the target.
- Reduce general waste disposal [tonnes] by 3%. The RBM did not meet the target.
- Reduce hazardous waste disposal [tonnes] by 3%. The RBM did not meet the target.
- Reduce water consumption [m3] by 3%. The RBM achieved a 21% reduction significantly exceeding the target as a result of water conservation measures.
- Reduce energy consumption [gas and electricity] [kWh/tonne] by 3%. The RBM achieved a 4% reduction through the successful utilisation of hot charged billets [see page 20].

Sections Mill

- Reduce hazardous waste [tonnes] by 24%. Whilst the Sections Mill did not meet the target, a 12% reduction was achieved.
- Reduce electricity consumption [kWh/tonne] by 3%. The Sections Mill exceeded the target.
- Gas consumption to be no more than 430 kWh/tonne per month. The Sections Mill met the target.
- Closed system oil loss to be no more than 6000 litres per month. The Sections Mill did not meet the target.

Logistics

- Increase delivery of scrap by rail. Logistics achieved this target by increasing the rail delivered scrap by 2,031 tonnes in 2014.
2015 Objectives and targets

Melt Shop
- Reduce total energy (kWh/tonne) by 3%.
- Reduce general waste (tonnes) by 3%.
- Reduce water consumption (m3) by 4%.
- Reduce number of CO breaches per month.
- Monitoring dust data and reduce complaints.

Rod & Bar Mill
- Reduce oil consumption (litres) by 3%.
- Reduce general waste disposal (tonnes) by 3%.
- Reduce hazardous waste disposal (tonnes) by 3%.
- Reduce water consumption (m3) by 3%.
- Consume no greater than 364 kWh/tonne of gas per month.
- Consume no greater than 102 kWh/tonne of electricity per month.

Sections Mill
- Reduce hazardous waste (tonnes) by 3%.
- Reduce electricity consumption (kWh/tonne) by 3%.
- Reduce gas consumption (kWh/tonnes) by 3.2%.
- Closed system oil loss to be no more than 8000 litres per month.

Logistics
- Increase Delivery of Scrap by Rail

Note – where a % reduction is stated this will be measured against the 2014 years performance, unless specified.

The 2016 Objectives and Targets will be set at the next annual management review meeting which is scheduled for November 2015.
Energy efficiency
The use of energy is one of the greatest environmental impacts. Energy efficiency is therefore fundamental to the business strategy and consumption of electricity and natural gas is continuously monitored and measured. Approximately 15% of electricity supplied to the plant comes from renewable sources.

Note – Melt Shop production is not displayed as energy per tonne as it is an intermediate product. Therefore the MWh/tonne for the Melt Shop is taken into account for the Rod & Bar Mill and Sections Mill products.

Environmental performance indicators

Raw materials efficiency
CELSA’s manufacturing operation is effectively a metal recycling process. The principal feedstock is steel scrap which is consumed in the process to make new steel, but there is a need to provide certain additives to achieve the right quality of new steel. The process is about 95% efficient with the only wastes being furnace flue dust, slag and mille scale, each of which are materials that have other beneficial uses.

The raw materials data for the plant is summarised in the following graphs.

Energy efficiency
The use of energy is one of the greatest environmental impacts. Energy efficiency is therefore fundamental to the business strategy and consumption of electricity and natural gas is continuously monitored and measured. Approximately 15% of electricity supplied to the plant comes from renewable sources.

Note – Melt Shop production is not displayed as energy per tonne as it is an intermediate product. Therefore the MWh/tonne for the Melt Shop is taken into account for the Rod & Bar Mill and Sections Mill products.
**CO₂ emissions**

CO₂ is produced as a direct result of energy usage, together with the carbon sources used in the steelmaking process. The primary sources of CO₂ are the use of electricity, natural gas and the carbon bearing materials used for steelmaking. Emissions of CO₂ are determined by a combination of the EU Emissions Trading Scheme (EU-ETS) verified reporting data for the Melt Shop carbon mass balance. The indirect emission of CO₂ from the use of electricity is taken account of and included in the data shown.
Case study

HOT CHARGING – RETAINING THE HEAT!

As part of the company’s Big M project, the reduction of gas consumption at the Rod and Bar Mill was targeted. This would not only reduce the environmental impact of the process but also have significant cost savings.

A multi-departmental team was created, including personnel from the RBM, Melt Shop, Sections Mill and Logistics to provide expertise for all operations across the business. Following consultation with specialists, it was decided that hot charging would be implemented at CELSA.

Process modifications

The introduction of metal tongs to decrease the loading time of the hot material has been a major improvement. CELSA are now able to load billets onto the wagons with a billet temperature of around 800-900°C, resulting in the billets reaching the RBM furnace at a significantly higher temperature than before.

Additionally, special hoods were developed in order to place over the billet to slow the cooling process during their transport and delivery from the Melt Shop to the RBM.

As a result of this and other similar modifications, significant increase in the temperature of the billet delivered to the RBM has been observed. In 2013, the maximum billet temperature arriving was around 495°C. Due to the improvement, billets are now arriving at a maximum temperature of 700°C.

Ramiro Dulanto, the Planning Manager within the Logistics department, highlighted the improvements achieved:

*In 2013, we were only managing to load 23% of billet into the RBM furnace within the 8 hour time frame. In 2014, we saw this figure rise to 36% and year to date, we are currently loading up to 50% of material into the RBM furnace within the 8 hour time frame.*

WHAT IS HOT CHARGING?

Hot Charging refers to the practice of delivering billets as quickly and efficiently as possible from the continuous caster in the Melt Shop, straight to the furnace at the RBM, while trying to prevent a significant drop in the material’s temperature.

WHAT ARE THE BENEFITS?

The process aims to dramatically reduce the cooling rate of the billet, meaning that it will enter the furnace at a higher temperature. Subsequently, the amount of gas required to reheat the billet back to optimum temperature for rolling is reduced.

Iago Lopez, Engineering Manager at the RBM, emphasised the importance of communication: “It is important that we have good cohesion between all departments involved as even the slightest delay can have a huge impact on the hot charging process.”
Environmental performance indicators

Atmospheric emissions

CELSA recognises that its processes have the potential for significant releases of atmospheric emissions, and it is an aspect of the business that is monitored and controlled very carefully. Potentially significant emissions are regulated through each of the Environmental Permits and measured and monitored to ensure that they do not exceed the maximum permitted emission limit values specified in the Environmental Permits which are determined in accordance with prevailing legislation.

The Environmental Permits were granted and are rigorously enforced by the Natural Resources Wales.

The total annual air emissions for NO$_x$, SO$_x$, Carbon Monoxide CO, Total Particulates [PM10] and CO$_2$ from 2010 are summarised in the graphs below:
Water usage

CELSA recognises water is a precious resource and the manner in which it is consumed and treated can impact directly on the natural environment. CELSA takes it's responsibility regarding water management very seriously to ensure that the use and consumption of water is controlled and minimised.

Water is used on the plants primarily for cooling purposes both in the making of steel and the re-rolling of it. All of our cooling systems are closed loop re-circulatory systems which minimise water usage, with the main losses being evaporation.

We also harvest water extensively by collecting rainwater from the building roofs to supplement the use of treated raw water from the city water supplies.

Environmental performance indicators

1. Annual water consumption total m3 by production unit

<table>
<thead>
<tr>
<th>Production Unit</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melt Shop</td>
<td>800</td>
<td>800</td>
<td>800</td>
<td>800</td>
<td>800</td>
</tr>
<tr>
<td>Rod &amp; Bar Mill</td>
<td>600</td>
<td>600</td>
<td>600</td>
<td>600</td>
<td>600</td>
</tr>
<tr>
<td>Sections Mill</td>
<td>400</td>
<td>400</td>
<td>400</td>
<td>400</td>
<td>400</td>
</tr>
<tr>
<td>Total water usage (m3)</td>
<td>1,800</td>
<td>1,800</td>
<td>1,800</td>
<td>1,800</td>
<td>1,800</td>
</tr>
</tbody>
</table>

2. Annual water consumption total m3/tonne by production unit

<table>
<thead>
<tr>
<th>Production Unit</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
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<tr>
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<td>0.4</td>
<td>0.4</td>
<td>0.4</td>
<td>0.4</td>
<td>0.4</td>
</tr>
<tr>
<td>Rod &amp; Bar Mill</td>
<td>0.2</td>
<td>0.2</td>
<td>0.2</td>
<td>0.2</td>
<td>0.2</td>
</tr>
<tr>
<td>Sections Mill</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Total water usage (m3/tonne)</td>
<td>0.6</td>
<td>0.6</td>
<td>0.6</td>
<td>0.6</td>
<td>0.6</td>
</tr>
</tbody>
</table>
3. Melt Shop wastewater quality
suspended solids and oils
- Suspended solids
- Oils and greases

* Kilograms discharged per year (average)

4. Rod & Bar Mill wastewater quality –
suspended solids

* Kilograms discharged per year (average)

5. Sections Mill wastewater quality –
suspended solids and oil

* Kilograms discharged per year (average)
Water

Water used on the plants for cooling purposes requires treatment in order to prevent legionella, it is necessary to treat the water we use with biocides, as well as corrosion inhibitors and flocculants to aid in the removal of solids from the water. Stringent limits are set in the Environmental Permits and/or Consents to Discharge on the quality of the water that we can release from the systems. In order to meet these requirements we undertake regular monitoring of the effluent streams.

Environmental performance indicators

Water

Note: pH measured in pH units

6. Melt Shop wastewater quality – iron compounds and pH

Iron compounds [ ] pH [ ] * Kilograms discharged per year (average)

7. Rod & Bar Mill wastewater quality

Oils and greases [ ] Chloride [ ] Total metals [ ] pH [ ] * Kilograms discharged per year (average)

8. Sections Mill wastewater quality – Total metals and pH

Total metals [ ] pH [ ] * Kilograms discharged per year (average)

9. Melt Shop wastewater discharged

Cubic metres (’000s)

10. Rod & Bar Mill wastewater discharged

Cubic metres (’000s)

11. Sections Mill wastewater discharged

Cubic metres (’000s)

Note: pH measured in pH units
Waste management
Waste by-products are inevitably generated from the processing of metal scrap to new steel. These by-products are targeted for reduction as part of our resource efficiency.

CELSA adhere to the waste hierarchy where practicable:

Currently CELSA recover or reuse over 95% of waste generated.
CELSA is committed to incorporating sustainability considerations into all of its manufacturing and business activities and recognises the need to balance the requirements of environmental, social and economic obligations with business growth aspirations.

Transportation and logistics is a key area where CELSA seeks to continuously improve and adopt more sustainable transportation options. CELSA utilises a range of transport methodologies including road, sea and rail, depending on the geographical location of its customers and transport network availability. Where possible more sustainable methods of transport such as rail and sea are adopted as the preferred method of moving our raw materials and finished products.

As part of the BES6001 and Eco-Reinforcement Standard requirements, CELSA calculates the transport mileage and CO₂ emissions by mode of transport for both its raw materials and finished reinforcing product deliveries. This data is presented in the following graph.

The data for all years has been prepared in accordance with the Guidelines to Defra/DECC’s GHG Conversion Factors for Company Reporting (2015).
Biodiversity

CELSA inherited an already heavily industrialised portfolio of sites with little or no green space and hence very limited opportunities for enhancement of biodiversity. Consequently this is not a key indicator for CELSA.

The approximate areas for each site are:
- Rod & Bar Mill (Castle Works) 184,244 m²
- Melt Shop and Sections Mill (Tremorfa Steel Works) 324,344 m²

Of these areas it is estimated that <1.0% are un-surfaced. As such, biodiversity at these sites is very limited and the sites have not been identified as important habitat sites. However, CELSA does contribute to local projects where biodiversity enhancement is a key component.

Wildlife Trust of South and West Wales

CELSA continue their partnership with the Wildlife Trust of South and West Wales (WTSWW) as a way of meeting a number of its corporate social responsibility objectives. Our Gold membership supports conservation work, thereby helping to offset CELSA’s impact on biodiversity.

“CELSA’s involvement and support of the Wildlife Trust of South and West Wales as a ‘Welsh Wildlife Partner’ continues to underpin much of our work in the Cardiff area. Management of the local fragile habitats remains at the forefront of our work, to ensure that these places continue to provide havens for wildlife and destinations for people of all ages and abilities to explore, play and learn about our wonderful Welsh wildlife.”

Jon Cooper, Membership Development Manager of the Wildlife Trust of South and West Wales.
Community and Employee engagement

Overview
At CELSA, we understand the effect that our operations may have on our local community. We have a plan to engage in a number of community and stakeholder initiatives and projects as part of EMAS.

Star Communities 1st
CELSA is a member of the Local Partnership Group [LPG] for Splott, Tremorfa, Adamsdown and Roath Communities 1st which is a Welsh Assembly Government flagship programme to improve the living conditions and prospects for people in the most disadvantaged communities across Wales. CELSA are continuing to work with STAR communities 1st to further develop partnership opportunities.

Cardiff SE Neighbourhood Management Team
CELSA a member of the Cardiff SE Neighbourhood Management Team which provides a coherent structure for allowing organisations to work together within local areas. This multi-agency team shares local intelligence to solve problems for their particular neighbourhood. This means that a range of expertise from across different sectors is brought to bear on the issues that really matter to communities.

CELSA has developed a community and employee engagement strategy which examines initiatives and opportunities for community and employee engagement. The strategy involves a cross-sectional approach, supporting the business commitment to EMAS by understanding the social and community issues that are relevant to the business; targeting, focussing and harnessing individual employee effort to maximise our engagement activities on local and community initiatives and projects.

CELSA are very keen to develop initiatives that employees will enjoy and that they have a benefit to the community and environment.

Cardiff Carbon Lite
As one of the largest energy consumers in Cardiff, CELSA are part of the Carbon Lite – Working Group Committee, whose objective is to reduce the carbon footprint of Cardiff City.

“...The Neighbourhood Management Team is a strong multi-agency forum which brings together the public services and the voluntary sector to facilitate joint working together in local areas to solve problems for their particular neighbourhood. Joining forces with the local private sector is an important development for the Cardiff SE NMT and we are beginning to forge a strong working relationship with CELSA. We look forward to working together over the coming year and to their support in helping us to improve the quality of life of people living in the local area.”

Nici Evans, Partnership Development Manager, Cardiff Partnership Board.

CELSA Cycle To Work Scheme
For a number of years, CELSA have offered the Cycle To Work Scheme in association with CycleSolutions to all employees. Those who sign up can purchase push bikes tax free. This encourages employees to cycle to work as it makes purchasing a bike much more affordable. It also reduces the vehicle emissions produced travelling to and from the workplace. Over 40 employees are currently signed up to the scheme.
**CELSA’s Annual Charity: Ty Hafan**

In 2013 we asked our employees to nominate and vote for their favourite local charity which CELSA could support. The chosen charity was Ty Hafan.

Due to the phenomenal response and fundraising efforts in 2014 from all the CELSA staff and contractors, Ty Hafan continued to be our chosen charity into 2015.

Ty Hafan are specialists in providing palliative care to children and young children. They provide a much needed source of strength and support for the whole family.

Ty Hafan staff are highly skilled and experienced in caring for children with complex and rare conditions at every stage of their lives.

“On behalf of everyone at Ty Hafan, I am delighted that CELSA Manufacturing have chosen Ty Hafan as their charity of the year for 2014/15. Ty Hafan helps life-limited children and their families make the most of the time they have left together.

The staff enthusiasm shown towards the partnership so far has been fantastic and I have no doubt that the fundraising activity undertaken will not only raise significant funds for Ty Hafan, but provide plenty of fun for the staff too!”

Eleanor Ryan, Ty Hafan Business and Community Fundraiser.

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**CELSA visit Ty Hafan Hospice**

Seven CELSA employees, including the 2014 summer raffle winners, the Sections Mill representatives who sold the most raffle tickets and the EHS Department, visited the Ty Hafan hospice. A cheque for £1,050 was presented to the Ty Hafan nurses and children.

The visit included a tour of the children’s rooms, therapy room, light sensory room, soft play room, musical room, Playstation den, garden and playground.

It was very evident that the care provided is not only for the unwell child, but for the whole family.

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**Hospice Christmas Present Donations**

CELSA employees were asked to donate presents for the children who would be spending Christmas at the Ty Hafan Hospice in Sully, Glamorgan.

The EHS Department were inundated with a selection of brand new cuddly toys, board games, DVDs, confectionary and colouring books. The presents were handed out on Christmas Eve by Leigh Halfpenny, Welsh Rugby Union International and the charity’s ambassador.

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**Ty Hafan Rainbow Run**

CELSA donated 70 protective goggles for the Rainbow Run, which was held on the 18th April 2015 at Coney Beach, Porthcawl to raise funds for Ty Hafan. The organisers of the event expressed their thanks: “It’s donations like this that really help us keep our costs down, which means more funds for the charity!”

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**Fundraising Raffle**

A raffle was held at the Annual EHS Recognition Dinner in June 2015 raising £555.00 for Ty Hafan during the evening. Prizes were kindly donated by CELSA contractors, including Harsco, JCE, SSS and Shield.
Community and Stakeholder engagement

2015 Employee Calendar Competition

Following on from the success of last year’s calendar, we continued with the CELSA calendar competition.

The theme for 2015 calendar was ‘People, Places and Nature’.

Over 80 photographs were entered by CELSA employees and 14 winning pictures were chosen!

The 2015 calendar was distributed to all employees at the start of the year.

Communication

CELSA’s website hosts a corporate responsibility page. We have also included on the website an email address of CELSA’s General Manager for local stakeholders to communicate any concerns or issues to the most senior manager in the CELSA business thegeneralmanager@celsauk.com.

Noise & complaints

Local residents

CELSA is committed to being a good neighbour. The views and opinions of local residents are extremely valuable to us and we take them very seriously. Any issues raised by local residents relating to Environmental, Health & Safety are investigated fully by our senior EHS team and where appropriate preventative measures are implemented and feedback is provided to the concerned party.

Noise

We have been working with the Natural Resources Wales to reduce the noise impact on local residents from the steelmaking process and have noise management procedures in place to manage site activities that can give rise to noise.

Dust

CELSA continue to work closely with Natural Resources Wales and local residents to try to determine the cause of any complaint and take any remedial action if required.

Contact us

If you are a member of our local community and have a query, or would like to know more about us, please contact us by sending an email to thegeneralmanager@celsauk.com, and we will respond as soon as possible.
Health, Safety and Employee engagement

Health & Safety
CELSA is aware that its activities that can not only lead to significant environmental impacts but can have Health and Safety implications for employees and visitors. Consequently, there is a strong linkage between health, safety and employee welfare culture at CELSA and the environmental management and sustainability culture of the business.

Health & Safety Campaign
CELSA is continuing with its Strategic Objective to focus on Health & Safety with the aim to become the sector leader in safety.

We are committed to achieving a target of zero accidents as no one should suffer any loss or injury as a result of our activities.

Employee engagement overview
We are very keen to engage with employees in the management of environment, health and safety at CELSA. We have a number of initiatives in place to encourage positive participation

EHS suggestion scheme
At the Annual Environment, Health and Safety Dinner and Awards, those employees who have made a significant contribution to reducing accidents and improving the environmental performance of the company are recognised and rewarded.

1. Employee accident rates
- All injury frequency rates
- Lost time frequency rates

No. of accidents per 1,000,000 hours worked

<table>
<thead>
<tr>
<th>Year</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
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<td>0</td>
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<td>20</td>
<td>30</td>
<td>40</td>
<td>50</td>
</tr>
<tr>
<td>1</td>
<td>60</td>
<td>70</td>
<td>80</td>
<td>90</td>
<td>100</td>
</tr>
</tbody>
</table>

Melt Shop Ladle Furnace Area
Annual EHS Recognition Dinner and Awards

On 19th June 2015, CELSA held its fifth annual EHS Recognition Dinner. Each year this dinner recognises the achievements made by employees in environment, health & safety.

The awards are presented by the General Manager, Luis Sanz.

The main award of the evening was for Most Improved Business. This was awarded to the Sections Mill. Assessment criteria included lost time frequency rate, hazard rate and performance against environmental objectives and targets. Although it was extremely close between all business units, the Sections Mill had the greatest overall improvement.

Other awards presented on the evening were for:

**Great Silence Book Competition**
- **Individual Winner** was awarded to Jordan O’Connell (Electrical Apprentice – Rod & Bar Mill) for his interpretation of the book and the impact it has had on him to improve the levels of safety associated to his daily tasks and others around him.

**Great Silence Book Competition – Team**
Winner was awarded to the Scrap Purchasing Team for their collective observations of their role, as a support department, within the company and their ability to engage with other departments to help improve the levels of safety as a whole.

**Best Contractor 2014** which was presented to Harsco, who had no lost time accidents and were greatly engaged with the M1 project team.

**Best Shift 2014** was awarded to Rod & Bar Mill ‘C’ Shift as the best performer against their objectives and targets, most notably improvements in number of lost time accidents, accidents, behavioural observations and hazards identified.

**Outstanding Contribution to Safety & Environment 2014** was presented to four individuals for their proactive and positive approach to ensure that safety and environment is at the forefront of their daily activities. The winners were Paola Menghi (Logistics), Wyndham Green (Melt Shop), Nick Harris (Rod & Bar Mill) and Graham Busfield (Sections Mill).

**Best Supporting Role to Safety & Environmental Engagement 2014** was presented to two individuals, Carl Brown (Sections Mill) for his outstanding support and fundraising efforts to the chosen charity Tŷ Hafan, and Craig Jones (Melt Shop) for his outstanding support to improve emergency response procedures.

**Tŷ Hafan Representation**
Eleanor Ryan, our dedicated Tŷ Hafan fundraiser attended the event, giving a presentation to the 100 attendees highlighting the vital work Tŷ Hafan undertake and the importance of CELSA’s fundraising efforts have been to maintain the high level of care the charity continue to provide.

Top left: Luis Sanz presenting ‘Most Improved Business’ to Mark Evans and Steve Jones, Sections Mill.
Top Right: Luis Sanz with Elle Ryan, Tŷ Hafan representative.
Left: Rod and Bar Mill employees.
CELSA Manufacturing
Environmental Statement 2015

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  • Energy efficiency (including CO₂)
  • Atmospheric emissions
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  • Water quality
  • Waste management
14 Transport impacts
15 Biodiversity
16 Community & Employee engagement
17 Community & Stakeholder engagement
18 Health, Safety & Employee engagement
19 Annual EHS recognition dinner and awards
20 Environmental Statement verification

By signing this declaration, I declare that:
• The verification and validation has been carried out in full compliance with the requirements of Regulation [EU] No 1221/2009.
• The outcome of the verification and validation confirms that there is no evidence of non-compliance with applicable legal requirements relating to the environment.
• The data and information at the environmental statement reflect a reliable, credible and correct image of all the site activities, within the scope mentioned in the environmental statement.

Signed:
Carl Rogers
Date: 20 November 2015
Bureau Veritas Certification, United Kingdom, UK.V.0003
CELSA Manufacturing
Environmental Statement 2015

Steel Recycling

This report covers production years 2010 to 2014.