

SASB Code	Metrics	2020	2021	Comments
Energy Management				
RR-FC-130a.1	(1) Total energy consumed	6,954,308 kWh	7,699,745 kWh	Also found in 2021 Sustainability Report, p.15.
	(2) percentage grid electricity	100%	100%	
	(3) percentage renewable	25%	100%	From October 2020, 100% of our electricity has been sourced from zero-carbon sources.
Workforce Health & Safety				
RR-FC-320a.1	(1) Total recordable incident rate	0.38	0.36	
	(2) fatality rate	0%	0%	Ceres has zero reports of Injuries, Diseases and Dangerous Occurrences (RIDDORs) year-on-year.
RR-FC-320a.2	<p><i>Description of efforts to assess, monitor, and reduce exposure of workforce to human health hazards</i></p> <p>Ceres is committed to ensuring the health and safety of everyone who works for the Company and of everyone who may encounter its activities including visitors, clients, contractors, and the public. The Ceres health and safety team is present and visible across both UK sites and is instrumental in guiding the process of completing and reviewing Risk Assessments and COSHH assessments on an ongoing basis. Accidents, incidents, near misses and safety improvements are recorded electronically through our HSE issue reporting system. Weekly safety reports are provided to the Executive Management for review and both UK sites are subject to monthly safety audits. Health and safety is a standing agenda item at weekly delivery meetings, every All Hands (monthly all Company meeting), and for meetings of the Board of Directors. The health, safety and welfare of all employees our priority and effective systems, plans and training have ensured that all risks are properly assessed and controlled, so far as is reasonably practicable.</p>			

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Product Efficiency				
RR-FC-410a.2	Average energy efficiency of fuel cells as (1) electrical efficiency and (2) thermal efficiency, by product application and technology type	-	Electrical efficiency: 60% Thermal efficiency: +25% Combined heat and power mode: 85%	Ceres' Solid Oxide Fuel Cell (SOFC) technology provides highly efficient, scalable, fuel-flexible, and environmentally friendly power generation systems for use in many applications. As an example, Bosch's stationary fuel cell system product achieves electrical efficiency of over 60% and provides useful temperatures for heating and hot water, delivering a total efficiency > 85%, versus 55% efficiencies for the most modern combined-cycle gas turbines, see https://www.bosch-sofc.com/technology/ for more.
RR-FC-410a.4	Average operating lifetime of fuel cells, by product application and technology type	-	~ 40,000 hours	The gold standard for commercial products is around 10 years in service. As innovators in nascent technology, we cannot wait for ten years of our products in operation. To receive full validation of our products lifetime our fuel cells undertake extensive testing in a multitude of conditions, see https://www.ceres.tech/news/ceres-and-horiba-mira for more. Before we roll out new and upgraded technologies so we also develop trusted digital twins, or models, to give us faster insights into our performance, allowing us to predict with reliable accuracy how it will perform under a wide range of operating conditions.

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Product End-of-life Management				
RR-FC-410b.1	Percentage of products sold that are recyclable or reusable	-	Technology not yet achieved commercial scale	As we run a unique licencing model, we embed end-of-life cycle and recycling considerations into products our partner's manufacture. We recognise the importance of looking beyond our cradle-to-gate analysis and carbon impact to consider the circular economy for raw materials. Next, we will undertake a full evaluation of the end-of-life recyclability or reuse of our technology, cradle-to-grave, and will seek to lead the industry for our technology, embedding sustainability considerations into the very heart of our development and the transfer of IP under licence to our partners.
RR-FC-410b.2	Weight of end-of-life material recovered, percentage recycled	-	Technology not yet achieved commercial scale	The stack uniquely comprises over 95% automotive grade steel by weight, the most widely recycled material globally. This gives our technology a distinct advantage over comparative Fuel Cell technologies when they reach their end of life. Although our business model is based around selling IP, currently 40-50% of total steel used for our own pilot cell production is recycled steel.
RR-FC-410b.3	<p><i>Description of approach to manage use, reclamation, and disposal of hazardous materials</i></p> <p>Currently, 96.8% of waste materials are recycled at our Horsham site and 77.6% at our Redhill site, with the remainder sorted further by waste providers with very little ultimately going to landfill. Ceres is proud to have achieved ISO 14001:2015 certification (EMS 761891) for its Quality Management Systems. This includes a waste management system where appropriate materials from both manufacturing operations and the wider organisation are recycled and disposed of suitably.</p>			
Materials sourcing				
RR-FC-440a.1	<p><i>Description of the management of risks associated with the use of critical materials</i></p> <p>Ceres' technology firstly mitigates critical material risks through its design and use of commonly sourced materials. The stack consists of 95% automotive grade steel by weight, a prolific material, and through its unique IP uses ceria-based materials within the active elements of the fuel cell, which is abundant and has multiple sources from multiple countries, reducing supply risks of our materials. Ceres now has a modelling tool provided as part of our Cradle-to-gate analysis with which we can model various supply and material choice scenarios for carbon impact and other supply chain risks which will now form part of our concept design and R&D decision making process. With this, we have an intention to set targets to reduce the impact and risks of our stacks, both with ourselves and our suppliers. Ceres also strives for transparency of its supply chain and has engaged with Achilles as a provider of supply chain verification and tools to support the development of sustainable supply chain management. Our goal is to create an ecosystem which will aid the achievement of our goals reducing supply chain risk, increasing ESG standards, and a supply chain that is aligned to the achievement of the Company's strategy, ensuring all parties understand and benefit.</p>			

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Activity metrics				
RR-FC-000.A	Number of units sold	-	Not applicable to Ceres' licencing business model	<p>Ceres' business model consists of selling its IP to partners to enable the scale up of our technology. This includes both the manufacture of our cells and stacks, and the assembly of full systems. Therefore, accounting for numbers of our manufacturing and system assembly partners gives an accurate estimate as to the scale up and production of our technology.</p> <p>Our stack manufacturing partners include Bosch, and Doosan. Our system partners include Weichai, Doosan and Muira. The China Joint Venture with Bosch and Weichai will increase our presence in China, with both stack and system plants to be built.</p>
RR-FC-000.C	Total energy production capacity of fuel cells sold	2MW	Pilot production capacity: 3MW	To prove our technology, we have a pilot plant with 3MW of manufacturing capacity to be scaled to 5MW, however this is small when compared to the planned manufacturing capacity of our partners.

Ceres has elected to remove references to batteries, which are not within the scope of its business.