



Reducing your carbon emissions with SCB



Juliette@starcb.com



+ 41 78 410 58 28



www.starcb.com



www.linkedin.com/company/scb-group

2020



01

Sustainability

Promote a low carbon future!

Our method is to encourage the adoption of low carbon alternatives by improving the accessibility of environmental products markets and helping companies reach their carbon reduction targets.

02

Commitment

Since 2007, SCB has been helping its partners meet their environmental obligations and plans.

We maintain a strong knowledge of current regulations while staying abreast of policy changes and new programs. As active members in industry groups, and by maintaining relationships with regulators, we show humility in our aim to take on diverse viewpoints.

03

Strategy

We strive to create deep relationships with our partners who look to SCB for information and advice. We take pride in providing enterprising solutions which help our clients achieve success.

Our Impact

At SCB, our commitment to a low carbon future is at the forefront of our approach to business. Fuelled by knowledge, we have assisted in transactions that have abated in excess of 300 million metric tonnes of CO₂, and this is just the beginning!

**300 MILLION METRIC
TONNES OF CO₂
ABATED**

through SCB transactions in Europe,
Asia, Africa, and the Americas.

**328 BILLION
POUNDS OF COAL
DISPLACED**

partly through partnerships
with utilities and businesses
in electrical generation.

**353 MILLION
TREES GROWN
IN ONE YEAR**

assisted by the abatement of
CO₂ emissions from working
with partners specializing
in environmental causes.

**2.4 MILLION
ACRES OF FORESTS
PRESERVED**

from conversion to cropland
in one year as we continue
to work with partners
in the farming industry.

Our Carbon Services

We can manage your whole carbon footprint...

Scope 1

Direct emissions from owned or controlled sources

Carbon Offset Markets

We offer a whole range of voluntary carbon offset certificates according to the best standards. If you have long-term plans, or need customization, on carbon offset procurement we can also arrange Emission Reductions Purchase Agreements (ERPA).

Scope 2

Indirect emissions related to your acquired electricity, heat and steam

Energy Attribute Certificates

We manage the whole process of procuring **Energy Attribute Certificates (EAC's)**. We have access to European GoOs, UK REGOs, American RECs as well as International I-RECs to perfectly fit your own footprint, be it local or global. We also arrange Power Purchase Agreements (PPA) and can advise you on the best way to reach your carbon targets.

Scope 3

Indirect emissions occurring on your value chain

Carbon Offset Markets & Supplier Management

SCB knows how complex it is to manage your indirect carbon impact and can work with your key suppliers to bring you closer to your carbon reduction targets and improve your scope 3 reporting be it through managing your suppliers' scope 2 emissions or compensating unavoidable emissions with carbon offsets.

...and much more to support a low carbon future

Battery Raw Materials



Biodiesel



Ethanol



Alternative fuels



Reducing your scope 1 emissions

Best practices

Minimizing avoidable emissions

Remove or reduce carbon intensive activities on your direct emissions

Insight: Enables an overall less carbon intensive activity but is sometimes incompatible with your business model

Tools: Divestment, upgrading or replacing high carbon emitting equipment

Using low carbon energies

Replace fossil fuels with renewable energies

Insight: Reduces the emissions reported for your company fuels with low carbon or alternative fuels

Tools: Switching to biofuels, biomass, electric vehicles, alternative fuels through Biomethane Certificates, CORSIA

Carbon offsetting

Compensate your unavoidable emissions

Insight: Compensates the unavoidable emissions in your own scope by reducing GHG emissions in another location through climate friendly projects

Tools: Carbon Offsets, Structuring an Emissions Reductions Purchase Agreement (ERPA)



Carbon Offsets are a credible and efficient way to reduce unavoidable emissions

Reducing your scope 3 emissions

Best practices

Environmental reporting

Know how and where to report.

Insight: Reporting is sometimes one of the most challenging aspects of the path to becoming a more sustainable firm. As a company that has been in the industry for almost 2 decades, we have seen the pitfalls of reporting and compliance, and pride ourselves on that expertise. Be it the Global Reporting Initiative (GRI), CDP, or just a sustainability report, we can help ensure the product is of quality and truly reflects the impact your company is making

GHG measurement

Manage the footprint of your suppliers

Insight: SCB can measure GHG's emissions for scope 1,2 and 3 with precision, as well as design internal systems for your firm, to be able to measure them in an easy, compatible way. We can help set specific targets for each scope, and in compliment, with our procurement services, we can procure the necessary products to reduce the emissions in each scope

Carbon offsetting

Have the best in direction, strategy and implementation to become an industry leader

Insight: SCB can offer acuity on how to goal set, and assist in reach those goals faster. We can design green programs, supplier qualification criteria, as well as dynamic offsetting programs. We can also help set science based targets, and consult on acceptance and public announcement of certain programs like the RE100



SCB offers turnkey expertise and advisory services that give you an edge in sustainability. Our scope of services is wide, and we are excited to learn more about your opportunities and challenges

Voluntary Carbon offsets

In a nutshell

Voluntary Carbon Markets allow corporates to voluntarily offset their emissions by purchasing carbon credits. A carbon offset represents 1 verified MT of CO₂e abated from that atmosphere or avoided due to some alternative process. They are generated by a project or program that reduces GHG emissions against a predefined baseline. Most importantly, projects qualifying for carbon credits provide additionality to climate change, ultimately reducing global carbon levels.

Carbon offsets are a great way for corporates to compensate unavoidable emissions occurring in their own scope of activity by reducing or preventing GHG emissions in another place. On a reporting level, carbon offsets can be used to compensate both scope 1 and scope 3 GHG emissions.

Globally, several different standards and certification schemes exist for carbon credits. The underlying projects which exist are also quite diverse ranging from deforestation, renewable energy production, water depollution to energy efficiency and much more.

Carbon Offsets are a widely used tool to reduce your corporate footprint within your direct or indirect scope of emissions and reduce the global carbon footprint.

Popular global standards



A range of projects to fit your needs

Renewable Energy

Energy Efficiency

Forestry

Methane capture/ avoidance

Water Benefit Certificates

Voluntary Carbon offsets

Benefits of purchasing Voluntary Carbon Offsets

- + Offset one's carbon footprint in both scope 1 and scope 3
- + Simple, accessible and you can choose projects which fit your core business or sustainability strategy
- + Support climate protection projects all over the world
- + Flexibility: buy in any volume and for any duration, even on an ongoing basis to have full control over your sustainability strategy
- + Shows a company's commitment to sustainability

Carbon Offsets are a widely used tool to reduce your corporate footprint within your direct or indirect scope of emissions and reduce the global carbon footprint

What about SCB?

- + SCB has a worldwide network of project owners and carbon offset providers
- + SCB can tailor your Carbon Offset according to the location, price, standard and impact which fits your corporate strategy
- + SCB can take care of the whole process of procuring Carbon Credits for you and manage both your scope 1 and 3 emissions
- + With specialized carbon teams across five locations, we manage your global footprint
- + We manage risks and price volatility for you through our portfolio management services



Reducing your scope 2 emissions

Best practices

ENERGY EFFICIENCY

ENERGY SAVINGS

LOW CARBON ELECTRICITY

Reduce your electricity consumption

Insight: Saves costs and improves Co2 emissions but might not be enough to reach carbon reduction targets for high electricity consuming and global companies.

Tools: LED lightening, building insulation, employee awareness training etc.

Include low carbon energy such as wind, solar, hydro, biomass or geothermal into your acquired electricity mix

Insight: Reduces your reported emissions and supports the production of further renewable energies

Tools: Energy Attribute Certificates (EACs), Power Purchase Agreements (PPA), Green Tariff from utilities, on-site electricity generation



EACs credible and a cost-effective way to reduce carbon emissions related to electricity consumption



Energy Attribute Certificates

In a nutshell

Energy Attribute Certificates (EACs) document that the energy you consume **comes a 100% from renewable sources**. They are the only way to track ownership of renewable electricity in the grid.

Each EAC represents proof that 1 MWh of renewable energy has been produced and injected to the grid. They comply with the GHG Scope 2 Guidance and are recognized tools to document renewable energy consumption and report GHG emissions reduction.

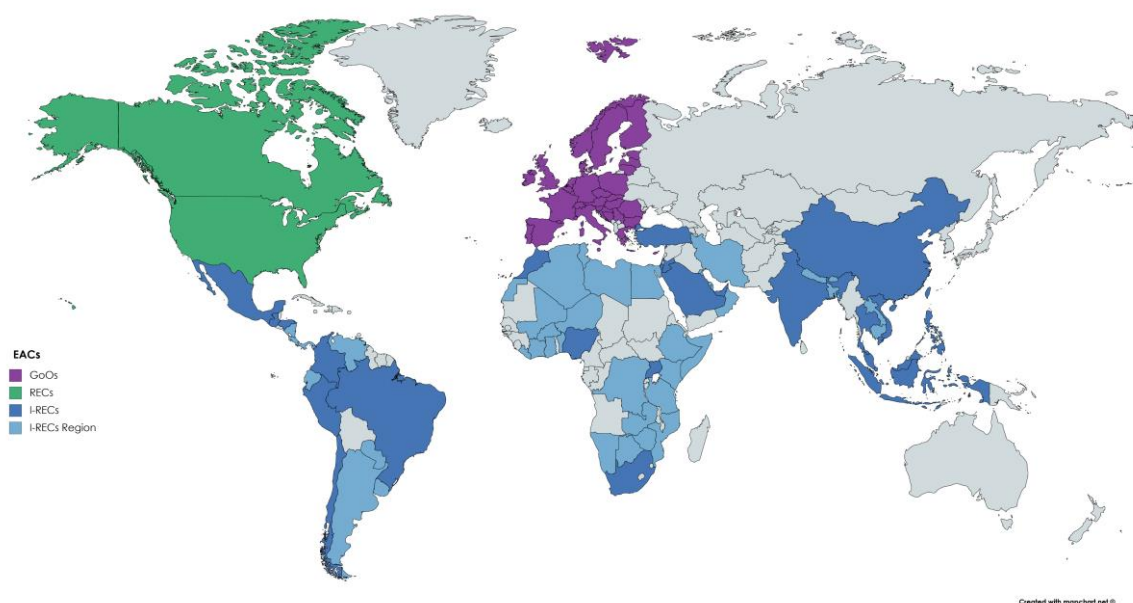
EACs can be sold alongside the power (bundled) or separately (unbundled), both of which are credible ways of guaranteeing energy is from renewable sources.

EACs across the globe have different names, however the principle is the same. Europe EAC's are known as Guarantees of Origin (GoO), in North America they are Renewable Energy Certificate (RECs) and increasingly across the rest of the world they are referred to as International Renewable Energy Certificates (I-RECs).

1 GoO , REC or I-REC = EAC = 1MWh

EACs are issued with information on their location, technology, size and age of the energy asset. Technologies include wind, solar, hydro, biomass and geothermal energy. SCB can construct tailored solutions for each partner ensuring their priorities for their renewable energy are met.

EACs provide an effective and simple way to improve one's sustainability performance and reduce scope 2 emissions, demonstrating power purchased from the grid is 100% green producing zero carbon emissions.



Energy Attribute Certificates

Benefits of purchasing EACs

- + Offset one's carbon footprint associated with energy demand
- + Simple and accessible
- + Buy energy from local renewable resources
- + Flexibility: buy in any volume and for any duration
- + Sell excess EACs into the open market
- + Shows a company's commitment to sustainability
- + Use renewable power without building expensive facilities

EACs are a credible instrument that can guarantee a company is using renewable energy as well as support the company in reaching their emission reduction targets

What about SCB?

- + SCB sources the best EACs at the most competitive price
- + SCB sources a range of EACs from a range of geography, technologies and save s you time by taking care of the whole process
- + With specialized carbon teams across five locations, we manage your global footprint
- + SCB has a worldwide network of project owners and renewable electricity producers
- + Our EAC solutions are cost effective compared to those of your utilities
- + We manage risks and price volatility for you through our portfolio management services



Our offices

London

SCB & Associates Ltd.
16 Dufferin Street
London EC1Y 8PD
United Kingdom

Nyon

SCB
Avenue de Perdtemps 17
CH 1260 Nyon
Switzerland

Chicago

SCB Derivatives, LLC
71 South Wacker Drive
Suite 1810
Chicago, IL 60606
USA

Puerto Rico

SCB Brokers, LLC
PMB 324
425 Carr 693 STE 1
Dorado, PR 00646-4817
United States of America

Singapore

SCB & Associates PTE. Ltd.
6 EU Tong Sen Street
#11-13 Soho 1, The Central
Singapore 059817

Contact us **directly** to understand how SCB can help your company to meet its sustainability targets:

Juliette Vidal

juliette@starcb.com

+ 41 78 410 58 28



'Leading experts in
the renewable market'
Bloomberg

Corporate weekends come in many shapes and sizes. At SCB our goal is to never stop growing, exploring, innovating and climbing. With little to no experience, 27 colleagues went to the Swiss mountains in August 2018 on an expedition dubbed 'Operation Cliffhanger' and made an ascent of the Eiger where, along the way, we captured the stunning image on the cover page of this document. Full video highlights of the event can be seen using the QR code to the right.



Please visit us at:
starcb.com