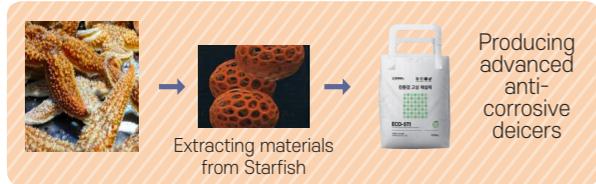## Featured projects of
Eco-friendly tech-focused start-ups

STAR's TECH

A methodology* of STAR's TECH become KCS-approved and can make its project reduce carbon emissions of 22,200 tCO_2e/y by producing advanced anti-corrosive deicers from starfish, compared to the general deicing chemicals which cause potholes on the road.

Extracting materials from Starfish → Producing advanced anti-corrosive deicers

(*) KCS Methodology 23-019

LDC Life, re-Defined

KCCI center approved LD Carbon's methodology* and project to reduce carbon emissions of 27,175 tCO_2e/y by producing carbon black and oil as petrochemical feedstock from waste tires with the patented pyrolysis technology that turns plastic waste into recycled raw materials.

Using Pyrolysis Technology → Producing carbon black & oil from waste tires

(*) KCS Methodology 23-016

We drive the journey to net zero smarter.

Stay informed. Stay connected.
Make it your advantage.
Make it happen!

KCCI Carbon Standard
The KCCI Carbon Standard KCS
visit us at kcs.centero.kr

Lookahead!

COP28 PT

Presentation of KCCI center
:Mission of KCS Program
and its achievements in VCM
(8 Dec 2023, 17:00~ at Korea Pavilion)

Live Q&A with KCCI center
Any comments & suggestions are welcomed.
(8~9 Dec 2023 at COP28 Blue Zone #42)

Any Questions?

For more inquiries on KCS Program,
Please feel free to contact us

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by e-mail : crcenter@korcham.net
by phone : +82 2-6050-3827~3832
by post : 18F, 39 Sejong-daero, Jung-gu, Seoul 04513, Korea

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FSC* A000523
The mark of responsible forestry

Gateway to Net Zero

KCCI Carbon Standard
The KCCI Carbon Standard KCS

Visit us at http://kcs.centero.kr

KOREA CHAMBER OF COMMERCE AND INDUSTRY
CENTER FOR CARBON REDUCTION CERTIFICATION

Transition into
A New Role of KCCI for Net Zero

KCCI

Founded in 1884, Korea Chamber of Commerce and Industry (KCCI) paved the way to make a better business environment for more than 200 thousand member firms and affiliates over a century, while helping them do fair and competitive business that is necessary to their sustainable management, with global network and competence.

"In this regard, since we fully recognized the urgency of climate action that most industries faced, we founded the KCCI center for carbon reduction certification with its carbon crediting program known as KCS"
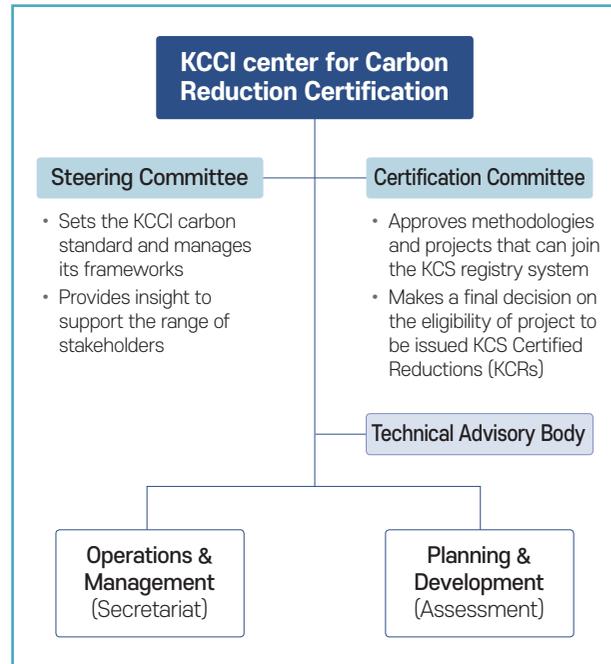
KCCI Carbon Standard
The KCCI Carbon Standard KCS

1 KCCI Carbon Standard (KCS) is a full-fledged carbon offset program developed and run by the non-profit KCCI center.

2 KCS Program provides the standard and framework for independent validation of projects, and verification of carbon reductions.

3 Under the KCS Program, projects are issued carbon offset credits known as KCCI Certified Reductions or KCRs. Each KCR represents a reduction or removal of one tonne of carbon dioxide equivalent (tCO_2e) achieved by a project.

Introduction to the KCCI center for Carbon Reduction Certification

Towards a greener planet, the non-profit KCCI center encourages all the society to reduce carbon emissions, discovers sustainable tech companies and boosts the private-led voluntary carbon market beyond the country.

KCCI center for Carbon Reduction Certification

Steering Committee
- Sets the KCCI carbon standard and manages its frameworks
- Provides insight to support the range of stakeholders

Certification Committee
- Approves methodologies and projects that can join the KCS registry system
- Makes a final decision on the eligibility of project to be issued KCS Certified Reductions (KCRs)

Technical Advisory Body

Operations & Management (Secretariat)

Planning & Development (Assessment)

KCCI Carbon Standard (KCS) Program at a glance

KCS Program is designed for ensuring integrity of carbon offset projects, aligned with major global initiatives.
All projects must be independently audited to ensure compliance with KCS requirements.

Core Principles

Real	Additional	Irreversible	Verifiable

M Measurement
Process
Carbon Standard
KCS Program Components
V Verification
Documents
R Reporting

KCS consists of

1 _ KCCI Center Operations Requirements
2 _ Methodology Management Requirements
3 _ Project Management Requirements
4 _ Registry Management Requirements

8 Steps to Earn KCS Certification in brief

KCCI center established a consistent and standardized process. Validation and verification are required by KCS in order to guarantee that the KCS requirements are met and the methodologies are properly applied.

Step 1 Choose approved Methodology and prepare Project Design Docs (PDDs)

Step 2 Get validation by accredited 3rd party auditor

Step 3 Apply for validation approval with KCS

Step 4 Register validated Methodology (and/or) PDDs with KCS (if approved after the review by KCCI center)

Step 5 Implementation of Project and monitoring

Step 6 Get verification by accredited 3rd party auditor

Step 7 Apply for verification approval with KCS

Step 8 Carbon credits (KCRs) are issued by KCCI center (if approved)

* KCCI center charges fees to cover administration costs.

Credit Lifecyle Management in a Digital Platform

Credits known as KCRs are confirmed through KCCI center's review and approval. All KCR issuance and retirement records are publicly available on the KCS Registry called Centero which means "Center of Net Zero".

Centero

Key Documents	KCS in Brief
(Guide to the KCS Program)	(Credit Issuance Updates)

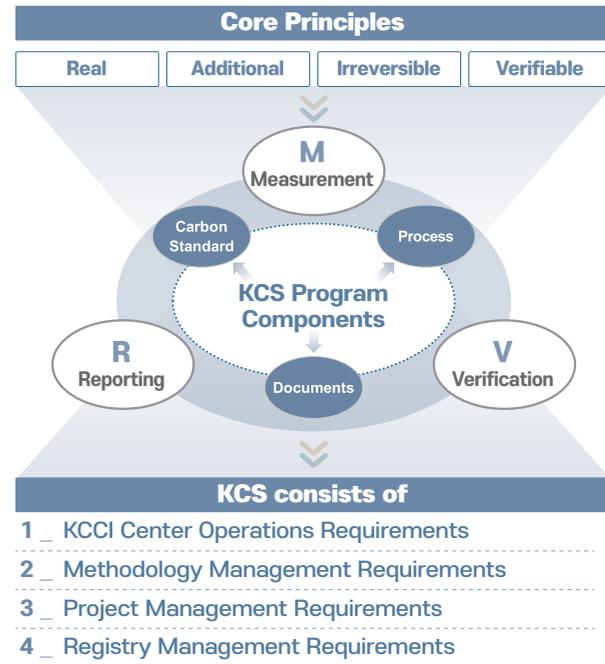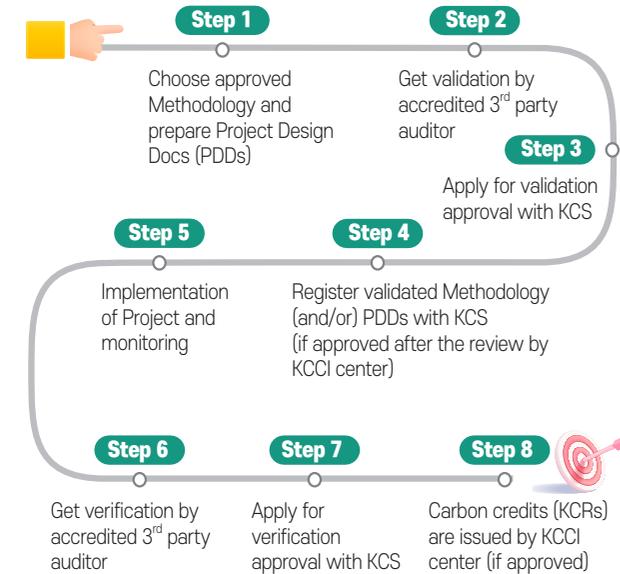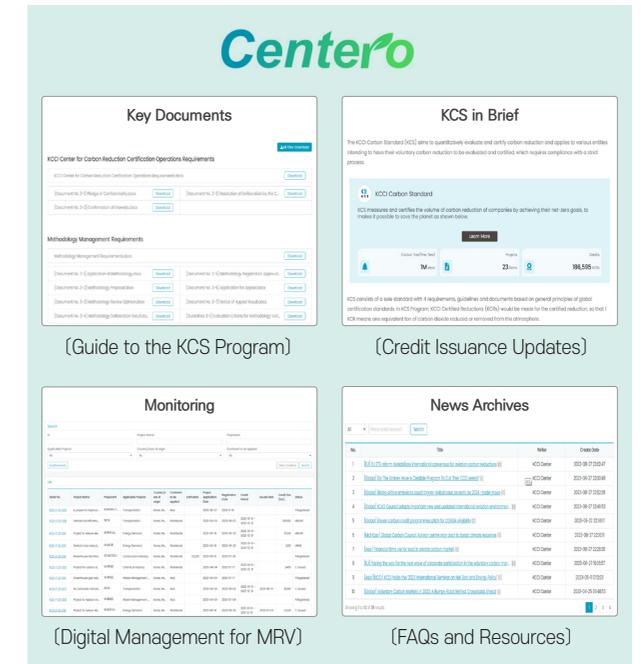| Monitoring	News Archives
(Digital Management for MRV)	(FAQs and Resources)

A Certification, for whom & what?

- The scope of the KCS Program covers all those activities related to the generation of carbon reductions or removals, including jurisdictional programs and nested REDD+ projects.
- The KCS Program is managed and overseen by independent committees. This governance system enables the committee members to make transparent decisions and professional judgement.

Guide to Understanding Principles

- **Real_** All emissions sources are identified and MRV according to the approved methodology actually occurs
- **Additional_** Carbon reduction arises from an extra activity which is not required by law or regulation
- **Irreversible_** Reduced or removed carbon emissions remain and continue in the long run
- **Verifiable_** Carbon reductions or removals are quantitatively measurable and confirmable by accredited 3rd party auditor

Who is a 3rd party auditor?

- 3rd party auditors are eligible to provide validation and verification services under the KCS Program if they are accredited under either ISO 14065: 2018 or other relevant international standards accepted by the KCS.
- Under the KCS, accredited 3rd party auditors can validate and verify the same project and give final project approval.

How does the KCS registry work?

- The KCS registry makes project and KCR information and documentation publicly available and can be accessed through Centero at http://kcs.centero.kr
- Centero provides secured services based on blockchain technology which prevents data forgery and counterfeiting, supports to manage all credit lifecycle including credit issuance, transactions and retirement.