Logicalis

BlockC

www.blockc.com.br

www.la.logicalis.com

Industry: companies that are concerned with sustainability, looking for a robust platform for their goals

Our solution offers a platform that helps companies to manage, standardize, and trace the processes for measuring, reporting, and verifying greenhouse gas emissions data, keeping track of their carbon credit throughout the cycle, while also putting together a collaborative network involving the entire chain of partners and suppliers, enabling broad and effective action.

CHALLENGES

Measuring, reporting, and verifying greenhouse gas emissions data, keeping track of carbon credit throughout the cycle.

IDEAL SOLUTION

Putting together all the companies involved in a product or service, including suppliers, transportation agents, and other third parties, making it possible to track the whole scope of their carbon footprint, allowing companies to take effective actions to offset it.

DESIRED OUTCOMES

The platform has blockchain technology at its core, which enables a network connecting companies that want to track their carbon footprint, connect with suppliers in a product or service ecosystem, work with energy generators to register renewable energy certificates, and connect with investors and banks managing assets.

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Having blockchain technology as its core, the BlockC platform enables the creation of a network, putting together the companies involved in a product or service with a particular intent, which is the tracking and offset of the carbon emission footprint.

The BlockC platform promotes a collaborative ecosystem that facilitates, manages, and efficiently unifies measurement and verification processes. The trusted platform can use both the owner and a third-party's data to track greenhouse gas emissions involved in the three scopes of emission, keeping the records and maintaining robust tracking.

As a result, companies have a clear, accurate inventory of their product ecosystem, making it easy to take action to reduce their carbon footprint. Consumers have a trustable and transparent method to verify those actions about the products and services they consume.

Greater effectiveness in emission compensation actions through best practices

Integration of several agents in a single platform that allows management of the entire network

Robust, safe, and reliable technological platform based on Microsoft Azure

Logicalis – BlockC
Azure Blockchain and Kubernetes Services

BlockC is a platform that brings innovation, making it a pioneer in the market. Its technological platform meets requirements for traceability, security, transparency, and auditability of transactions carried out and registered, which are key points for the solution.

The platform uses the latest architectural concepts and is cloud-native using Microsoft Azure's PaaS and IaaS solutions, the applications are all structured in containers that run on Azure Kubernetes Service (AKS).

Tailor it to your needs

Configure the blockchain network technology, easily following the creation of peers with templates that streamline the process.

Discover innovation in our solution

Using blockchain as the basis of the entire platform, Logicalis' BlockC sought technology that really brought the innovation to its DNA.

Integrate naturally

Allowing CI / CD flows to be easily configured, AKS allows the DevOps methodology and tools to be configured in an integrated manner.

This technological base allows the solution to grow consistently following the best and most current software architecture practices.

Customer success:
Brennand Energia

The main benefit for Brennand Energia was the cost reduction for RECs issuance. This issuance usually takes a few weeks and, afterwards, the company still needs to hire an auditing firm to certify the documents.
As a digital platform, the operating cost per REC at BlockC is very low. Smart agreements allow for almost immediate issuance, with the security of the blockchain providing the robustness of the supporting information. The audit is also performed digitally to achieve the same benefits.

RECs made simple
Almost 90k renewable energy certificates (REC) have already been issued on the platform. As a parallel for the average Brazilian residential consumption, this is the equivalent to approximately 592k residences.

Improvement in cost and time
This solution brought a series of benefits in a poorly instrumented environment with diffused processes. While using RECs registry, the platform allowed the process to be done in minutes, which had previously required 4 to 5 weeks. Along with the reduction of time comes the proportional cost reduction.

Time efficiency
Issuance SLA:
Before BlockC and Logicalis Solution: ~3 Weeks
After BlockC and Logicalis Solution: ~10 minutes

Certification SLA:
Before BlockC and Logicalis Solution: ~2 Weeks
After BlockC and Logicalis Solution: ~ 10 minutes

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Get a trial: https://app.blockc.com.br/cunhagens

Call for more information:(+55 11) 98922 0092

Ask a question via email: Eduardo.terzariol@la.logicalis.com

Learn more: www.blockc.com.br

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