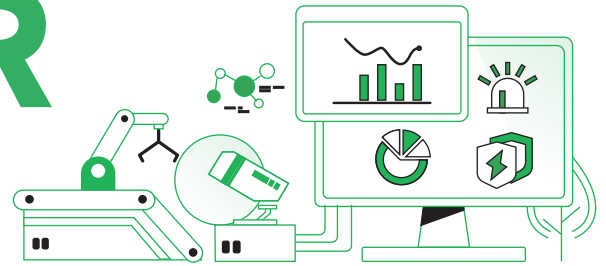




CUSTOMER JOURNEY



Customer Profile

Customer

District Cooling System and Power Plant Co., Ltd. (DCAP)

Industry

Energy (Power, steam and chilled water generation)

Region


Thailand

Website

<https://www.dcap.co.th>

Results

40%

Carbon reporting efficiency 

0% error

Carbon reporting 

Solution Architecture

DCAP

Participate in Thailand's plan to achieve carbon neutrality by 2050 and net-zero greenhouse gas emissions by 2065.

To develop a prompt Greenhouse Gas (GHG) emission reduction action plan



Integrated Carbon and Energy Platform



DCAP's Engagement with TÜV SÜD



Connect to the Renewable Energy Certificate (REC)

Background

Thailand aims to achieve carbon neutrality by 2050 and net-zero greenhouse gas emissions by 2065. DCAP is eager to participate in this endeavor. As top energy player locally, DCAP is leading by example.

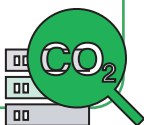
Bussiness Challenges

DCAP's objective is to attain carbon neutrality by 2048, and subsequently, achieve net-zero greenhouse gas emissions by 2063. In order to develop a prompt GHG emissions reduction action plan, they require an accurate Carbon Footprint for Organization (CFO) reporting tool reporting tool that will enable them to establish their baseline emissions.

Solutions

Integrated Carbon and Energy Platform

DCAP is partnering with IROOTECH for essential consultation services and access to their Integrated Carbon and Energy Platform (ICEP).



Engagement with TÜV SUD

Additionally, IROOTECH is facilitating DCAP's engagement with TÜV SUD, an independent verifier, to ensure the accuracy of their initial CFO report. The solution covers 5 boundaries, including DCAP-1, SAT-1 Chiller plant, MTB Solar roof, PTC chiller plant, and TG Chiller plant including solar abatement information linkage based on IoT solution.



Connect to REC

In the future, DCAP plans to connect to the REC market online to acquire RECs for offsetting purposes, thereby achieving carbon neutrality.

