

対象国電力省エネ分野における開発ニーズ(課題)

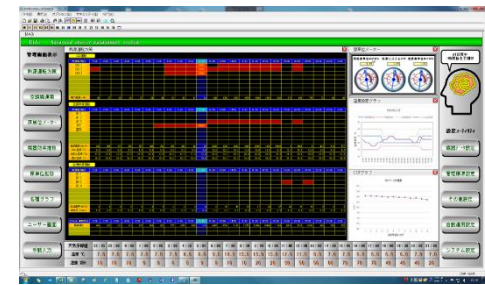
- 増え続ける電力消費量と電力安定供給への懸念
- 省エネ関連法制度・仕組みの整備
- 省エネ診断・施策策定の能力不足と実施へのインセンティブ不足

提案製品・技術

- AI及び省エネコンサルタントによる、建物の省エネコンサルティングサービス「SeeVAS」
- AIが実際の外気条件、設備の運転状況等から、空調・熱源設備を自動で最適に設定
- 省エネコンサルタントがその効果解析及びさらなる省エネ施策を提案し、継続的かつ確実な省エネを実現

案件概要

- 契約期間: 2023年5月～2024年7月
- 対象国・地域: ベトナム国ハノイ市
- 相手国実施機関: ベトナム国商工省
- 案件概要: 人工知能を活用したビルの省エネルギーマネジメントサービスに関する案件化調査。本事業を通じ、AI ユニットによる中央監視装置の自動管理と継続的サポートによる省エネコンサルティングサービス「SeeVAS」のビジネス展開を図り、ひいてはベトナム国の エネルギー安定供給・省エネルギー推進への貢献を目指す。



SeeVAS システム画面

開発ニーズ(課題)へのアプローチ方法(ビジネスモデル)

- 無償で実施する省エネ診断の結果を基にSeeVASを提案、システムの納入と保守・コンサルティングサービスをパッケージで提供
- 顧客は省エネ効果や費用対効果などを踏まえ、導入可否の検討が可能
- 営業先は現場調査をして3～5年で投資回収できる建物に限る

対象国に対し見込まれる成果(開発効果)

- 省エネ効果及び継続的な省電力効果に伴う電力供給安定化への貢献
- 企業側の省エネ推進意思決定促進や建物管理の負担軽減等、省エネ推進にかかる課題解決への貢献
- エネルギー診断士との連携や、政府への省エネ関連の報告の促進等、ベトナム法制度の有効活用

Development Issues Concerned in Energy Conservation Sector

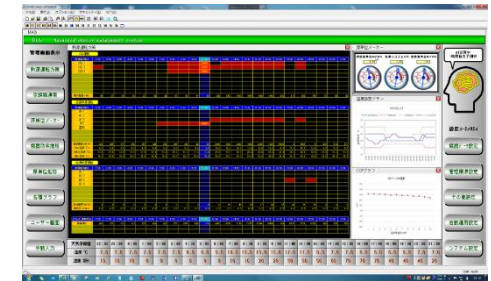
- Increasing electricity consumption and concerns about stable electricity supply
- Development of laws and mechanisms related to energy conservation
- Insufficient capacity for energy audits and policy making, and insufficient incentives for implementation

Products/Technologies of the Company

- “SeeVAS”, a building energy conservation consulting service by AI and energy conservation consultants
- AI automatically optimizes air conditioning and heat source equipment based on actual outside air conditions, equipment operating conditions, etc.
- Energy conservation consultants analyze the effects and propose further energy conservation measures to achieve continuous and reliable energy conservation.

Survey Outline

- Survey Duration : May, 2023~July, 2024
- Country/Area: Vietnam / Hanoi city
- Name of Counterpart: Ministry of Industry and Trade in Vietnam
 (In principle, only in SDGs Business Verification Survey. To be filled in other schemes if any counterpart is assumed.)
- Survey Overview: The survey on building energy conservation management services using AI. Through this project, the business development of “SeeVAS”, an energy conservation consulting service using AI units for automatic management of Building Management System and continuous support, will be pursued. Furthermore, the survey aims to contribute to the stable supply of energy and the promotion of energy conservation in Viet Nam.



Screen of SeeVAS

How to Approach to the Development Issues

- SeeVAS is proposed based on the results of free energy audits, and system delivery, maintenance and consulting services are provided as a package.
- Customers can consider whether to introduce SeeVAS or not, based on energy-saving performance and cost-effectiveness.
- SeeVAS is only proposed for buildings that can pay back their investment in 3 to 5 years based on the site survey.

Expected Impact in the Country

- Contribution to the stable electricity supply as a result of energy conservation impact and continuous power-saving effects.
- Contribution to the promotion of energy conservation, i.e. promotion of energy conservation decision-making, reduction of the burden of building management in companies, etc.
- Effective use of the Vietnamese legal system, i.e. cooperation with energy auditors, and promotion of reporting to the government on energy conservation, etc.