

フィジー水資源分野における開発ニーズ(課題)

- ・フィジーでは、人口や観光客増加に伴い、水需要が拡大しているが、大規模な水道整備の見込みが低いことから無収水対策による水の追加確保が必要。
- ・正確な検針や料金請求の実施による、無収水の削減ニーズが高い。

提案製品・技術

- ・スマホカメラで水道メーターの数値と請求先が紐づいたQRコードを読み取り、水道料請求までのデジタル上で実現するDXスマホアプリ「SNAPPY」。検針業務の効率化とコストを抑えると共に、誤検針を防ぎ、読取時の画像は料金の根拠として利用可能。

調査概要

- ・ 調査期間: 2024年5月～2025年1月
- ・ 対象国・地域: フィジー共和国
- ・ 調査概要: 正確に水道検針が行える水道メーター検針アプリを使用して、水道の無収水の原因のひとつである検針・料金請求能力向上を行い、無収水を削減するニーズ及びアプリ実地検証の調査。本事業を通し、一部エリアへの試験導入、事業誤に他エリアへの展開を行い、フィジー上下水道公社全体の無収水削減への貢献を目指す。



ビジネスモデル

- ・フィジー上下水道公社(WAF)を顧客として想定し、現地にカスタマイズした提案サービスを導入する
- ・サービス料の受け取り及び、問い合わせ対応は現地代理店等を経由して行う
- ・検針を行うメーター数×SNAPPY利用料で課金する

対象国に対し見込まれる成果(開発インパクト)

- ・WAFによる適切な水道検針と料金の徴収を実現することで、フィジーの無収水の削減に貢献する。
- ・無収水の削減はWAFの安定的収益の獲得につながり、水道設備の投資や安全な水の安定供給の実現に貢献する。

Development issues in the country/sector

- In Fiji, with the increase in population and tourists, there is a growing demand for water. However, due to the low prospects for large-scale waterworks development, securing additional water through non-revenue water (NRW) measures is necessary.
- The need to reduce non-revenue water through accurate meter reading and billing implementation is high.

Products/Technologies of the Company

- The DX smartphone app "SNAPPY" allows for reading water meter values and billing-related QR codes using a smartphone camera, enabling the entire process from meter reading to water billing to be conducted digitally. This app streamlines the meter reading process and reduces costs, while preventing reading errors. The images taken at the time of reading can be used as evidence for billing.

Survey Outline

- Survey period : May 2024 to January 2025
- Country/Area : Republic of Fiji
- Survey Overview : Using a water meter reading app that allows for accurate readings, the plan is to improve the meter reading and billing capabilities that contribute to the issue of non-revenue water, addressing the need for its reduction as well as conducting surveys for on-site app verification. Through this project, the aim is to trial the introduction in select areas, learn from the business mistakes, expand to other areas, and ultimately contribute to the reduction of non-revenue water across the entire Water Authority of Fiji.



Business Model

- Envisioning the Water Authority of Fiji (WAF) as a client, the plan is to introduce a proposal service customized for the local conditions.
- Receipt of service fees and handling of inquiries will be conducted through local agents or similar intermediaries.
- Billing will be based on the number of meters read multiplied by the usage fee for SNAPPY.

Expected Social Impact in the Country

- By enabling proper water meter reading and billing by WAF, it contributes to the reduction of non-revenue water in Fiji.
- Reducing non-revenue water leads to the acquisition of stable revenue for WAF, contributing to investment in water infrastructure and the realization of a stable supply of safe water