

Electricity Generating Authority of Thailand

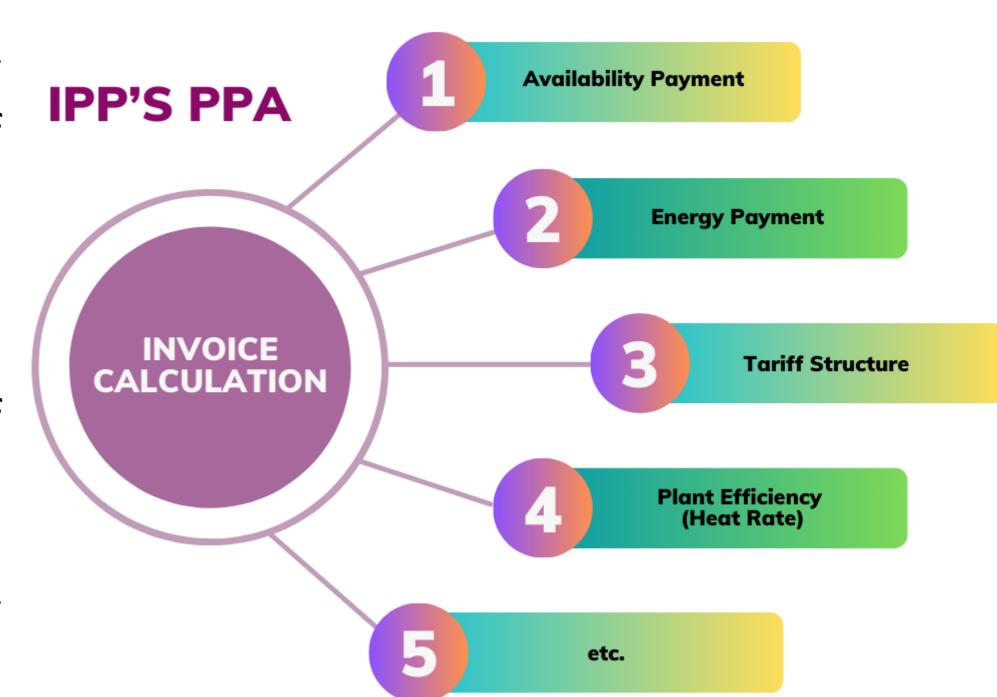


AIMS - Advanced IPP Management Solutions: Pioneering Sustainable and Efficient Energy Management in Thailand

Introduction

Electricity billing for Independent Power Producers (IPPs) in Thailand is a challenging task, complicated by the intricate structures of Power Purchase Agreements (PPA). These agreements include diverse tariff models, complex regulatory requirements, and various contract types that demand precise, accurate calculations. Traditional methods of managing IPP billing are often prone to errors, time-consuming, and require substantial manual effort to ensure compliance and accuracy.

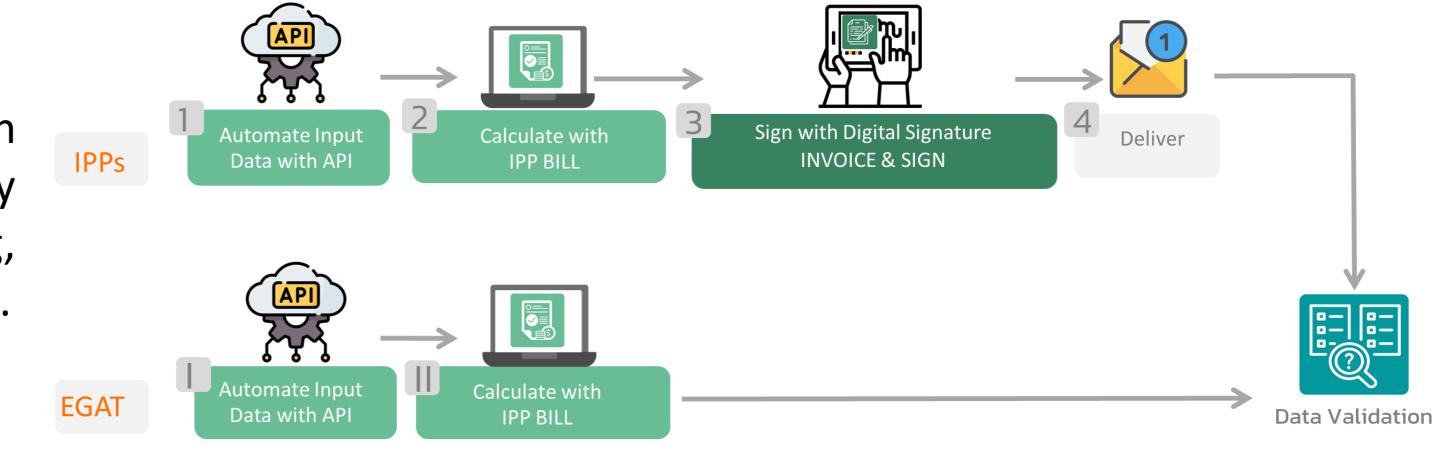
To address these challenges, our platform offers a unified solution that automates the calculation of electricity bills for IPP PPAs, consolidating the many unique elements of these agreements into a single, efficient system. Our platform streamlines processes, enhances accuracy, and reduces the administrative burden associated with PPA billing in Thailand's energy sector. This innovative tool empowers energy companies and regulatory bodies alike, paving the way for transparent, compliant, and error-free billing.

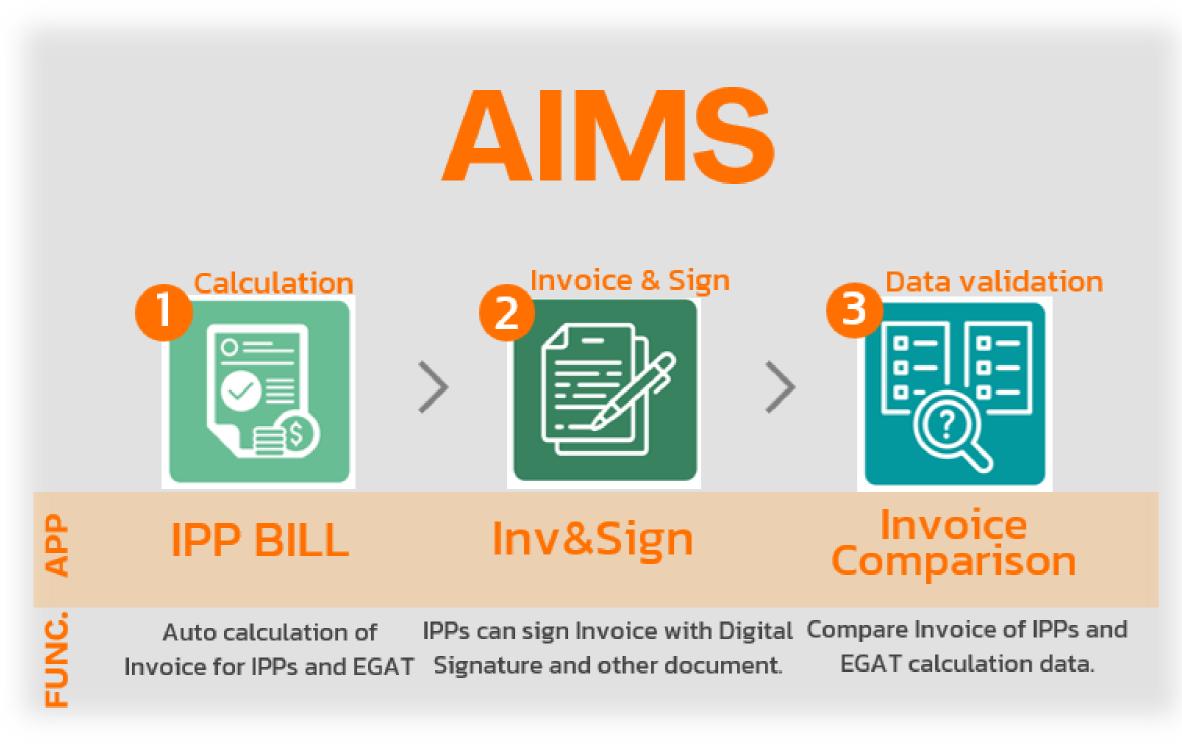


Conceptual Design

Centralized Platform for Streamlined IPP Contract Management

The Advanced IPP Management Solutions (AIMS) platform is a digital, centralized solution created to simplify and unify the management of PPAs between IPPs and EGAT (Electricity Generating Authority of Thailand). The platform addresses key challenges in data handling, process redundancy, and error reduction by automating and standardizing contract-related tasks.





- Unified Data Flow: AIMS combines data from multiple sources into a single, cohesive platform, ensuring that all contract data is accessible in one place and organized systematically.
- Automated Data Integration: Leveraging API connections, AIMS automates the entry and transfer of IPP data, reducing the risk of manual input errors and saving significant time in data processing.
- **Digital Billing and Signing:**
 - IPP BILL Module: Calculates monthly purchase values based on contractual rates, streamlining the billing process.
 - Inv&Sign Module: Enables secure, digital signatures for official documents, replacing traditional paper-based approval methods.
- Comparison Tools: To further ensure accuracy, AIMS includes a feature that compares billing data from IPPs and EGAT, supporting error detection and data validation.

Our Customers:













Results and Benefits

Efficiency Gains

90% reduction in process steps and 30% time savings in document handling.



Paperless Operations

The complete digitization of workflows has led to a 100% reduction in paper usage



Revenue Generation

The AIMS platform, as a subscription-8.24 mil. Baht based solution, has already 7.43 mil. Baht *** generated 5.91 million baht in 5.91 mil. Baht accumulated revenue as of 2024. 2.51 mil, Baht 1.82 mil. Baht 0.6 mil. Baht

Alignment with ESG Goals

- **Environmental**: AIMS's paperless model contributes directly to reducing waste and carbon emissions.
- Social: By streamlining energy contract management, the platform empowers stakeholders with efficient, accurate, and transparent processes.
 - Governance: Automated data handling and standardized workflows enhance regulatory compliance and operational integrity.



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Award

Excellence Prize, EGAT Invention and Innovation contest 2024

Inventors



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