

TRANSFORMING PIM SYSTEM WITH AI-POWERED INTELLIGENCE

Enhancing efficiency and accuracy through smart technology



CURRENT
FOUNDATION

THE FOUNDATION - WHAT WE HAVE TODAY



Project Concept note (PCN)

The PIM system manages projects from concept notes to approval using structured processes and collaboration.

Cost-Benefit Analysis (CBA) and Scenarios

Detailed cost-benefit analyses with multiple financial and economic scenarios support informed decision making.

Version Control and Transparency

Ensures transparency with full historical tracking of amendments and project updates.

Working group review and scoring

Facilitates collaborative scoring and strategic recommendations.

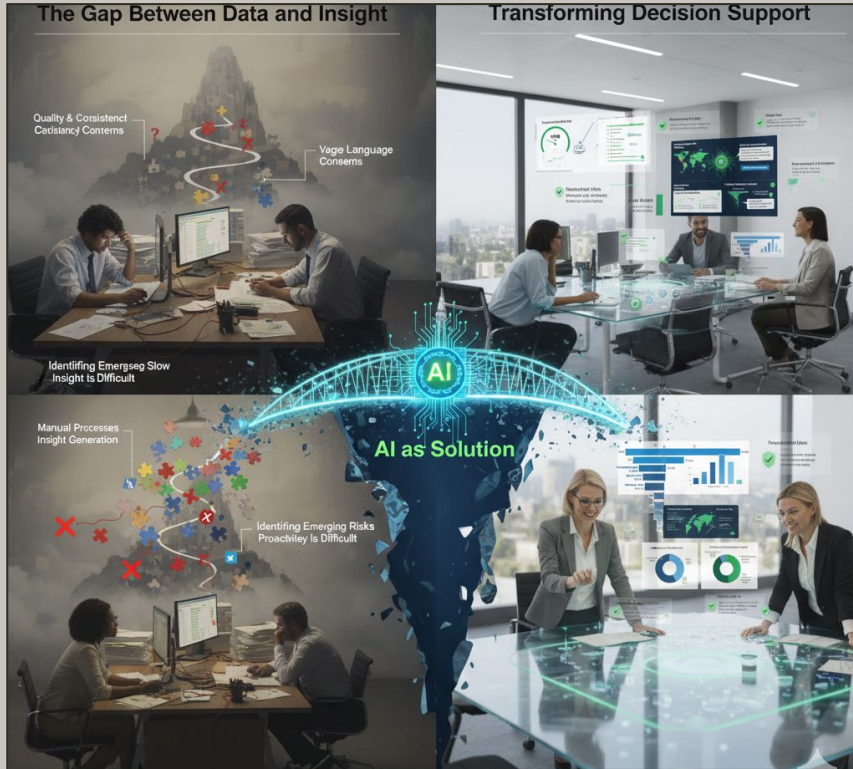
Feasibility Study Section

Centralized repository for uploading and managing supporting documentation.



IDENTIFYING
THE
OPPORTUNI
TY

THE GAP BETWEEN DATA AND INSIGHT



Challenges in Data to Insight

Manual processes slow insight generation and require expert validation of assumptions and risks.

Quality and Consistency Concerns


- Ensuring quality and consistency across multiple PCN answers is labor-intensive.
- Validating the realism of financial assumptions in real-time is challenging.
- Identifying emerging risks proactively is difficult.

AI as Solution

AI automates quality checks, benchmarks assumptions, detects anomalies, and provides predictive analytics.

Transforming Decision Support

AI can accelerate review processes and enhance decision-making without compromising rigor.



PROPOSED
AI
INTEGRATION
FEATURES

AI AS AN INTELLIGENT CO-PILOT FOR PROJECT PREPARERS

AI-Powered PCN Assistant

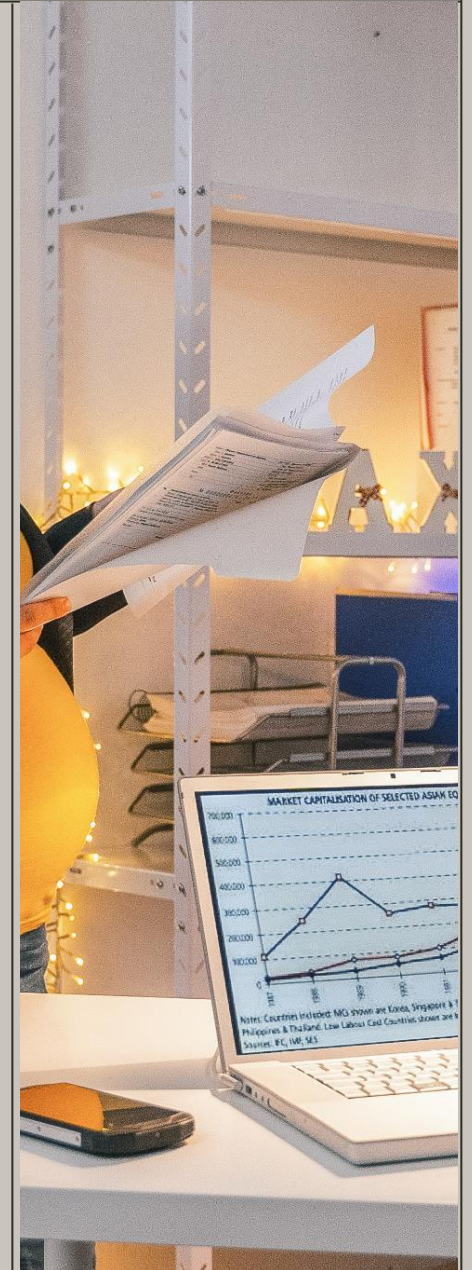
- **Smart Autocomplete & Drafting:** Instantly generates context-aware sentences and paragraphs tailored to the project's sector and size.
- **Quality & Consistency Check:** Automatically analyzes PCNs to flag logical inconsistencies, vague phrasing, and missing key information.

AI-Driven Assumption Validation

- **Benchmarking:** Compares key project metrics (e.g., cost per unit) against internal historical data and external sectoral standards.
- **Anomaly Detection:** Flags significant outliers and automatically prompts the user for review or required justification.

Efficiency and Accuracy Benefits

These AI tools reduce manual work, improve accuracy, and increase confidence in project documentation.



Intelligent Climate Risk Integration

API & Risk Summarization

Based in coastal location, project faces HIGH risk of sea-level rise and storm surge on 30-year lifecycle

ONE-CLICK INTEGRATE

Intelligent Cost Suggestions

Intelligent Cost Suggestions

- +5% Capex for flood foneI resistant materials → **\$58,000** (±10%)
- +50,000/year OpX for enhanced drainage → **\$50,000** (±20%)

Predictive Sensitivity Analysis

Tomado Chart

- Thousands Risk Simulations Run
- Viability Most Sensitive to 10% Drop in Economic Benefits

AI AS A PROACTIVE RISK AND ANALYSIS ENGINE

Intelligent Climate Risk Integration

- **API & Risk Summarization:** Fetches, interprets, and summarizes complex external data (e.g., climate projections) into actionable, plain-language insights.
- **Intelligent Cost Suggestions:** Automatically generates specific CapEx and OpEx adjustments based on identified risks, offering one-click integration into the CBA.

Predictive Sensitivity Analysis

Automates thousands of scenario tests to identify key variables affecting financial metrics like NPV and IRR.

Enhanced Risk Mitigation

Enables forward-looking risk reduction by highlighting critical vulnerabilities through data-driven insights.

AI AS A DECISION SUPPORT ACCELERATOR FOR THE WORKING GROUP

Executive Summaries

AI condenses complex project details into concise summaries highlighting key objectives, risks, and financial metrics.

Automated Scoring

AI applies historical data patterns to preliminarily score candidates, highlighting strong and weak options for focused review.

Comment Analysis

AI analyzes comments to monitor resolution progress and identify outstanding issues efficiently.

AI as a Decision Support Accelerator





FUTURE VISION

AN END-TO-END INTELLIGENT LIFECYCLE



Seamless AI Integration


AI integrates various project management modules, enabling drafting, risk identification, and assumption validation.

Continuous Feedback Loop

The system compares projected and actual results to refine AI predictions for improved accuracy.

Smarter Investment Decisions

AI-driven insights enhance decision-making, supporting organizational resilience and smarter investments.



**BENEFITS
AND
CONCLUSION**

BENEFITS SUMMARY & CLOSING STATEMENT

AI Benefits for Project Preparers

AI enables faster drafting and higher quality PCNs, increasing confidence in financial assumptions and risk management.

AI Support for Working Groups

AI provides faster, informed reviews with executive summaries and scoring, allowing focus on strategic issues.

Organizational Advantages of AI

AI improves project portfolio quality, resource allocation, and builds resilience against financial and climate risks.

Transformation Beyond Software

AI empowers people, de-risks investments, and fosters a smarter, resilient future in project financing.



THANK YOU