

AI ESG Analytics for Sustainable Intelligence

ASTRI's AIESG engine uses Artificial Intelligence (AI) and Natural Language Processing (NLP) technologies to extract ESG KPIs across diversified ESG reports and related documents and generate companies' ESG profiles, sustainable contributions, and industry benchmarks.



AI ESG

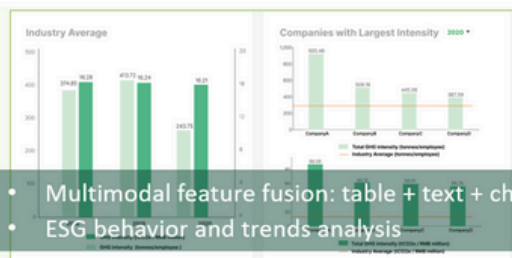
ChatDoc: Document AI + Generative QA

Deep Semantic Understanding
深度語義理解

Summary / Review / Checking
總結/審查/檢查

Write and Generation
輸入及生成

Industry Benchmark
產業基準



Environmental
Social &
Governance
Report

2024

- ✓ ESG Report Analysis (ESG報告分析)
- ✓ News Analysis (新聞分析)
- ✓ Annual Report Analysis (年報分析)
- ✓ Legal/Loan Document Review (法律/貸款文件審查)
- ✓ Compliance Checking (合規性檢查)

Company Profile and Compliance Checking
公司簡介及合規性檢查

- Compliance checking against different guidelines: HKEX guideline, GRI, ISSB

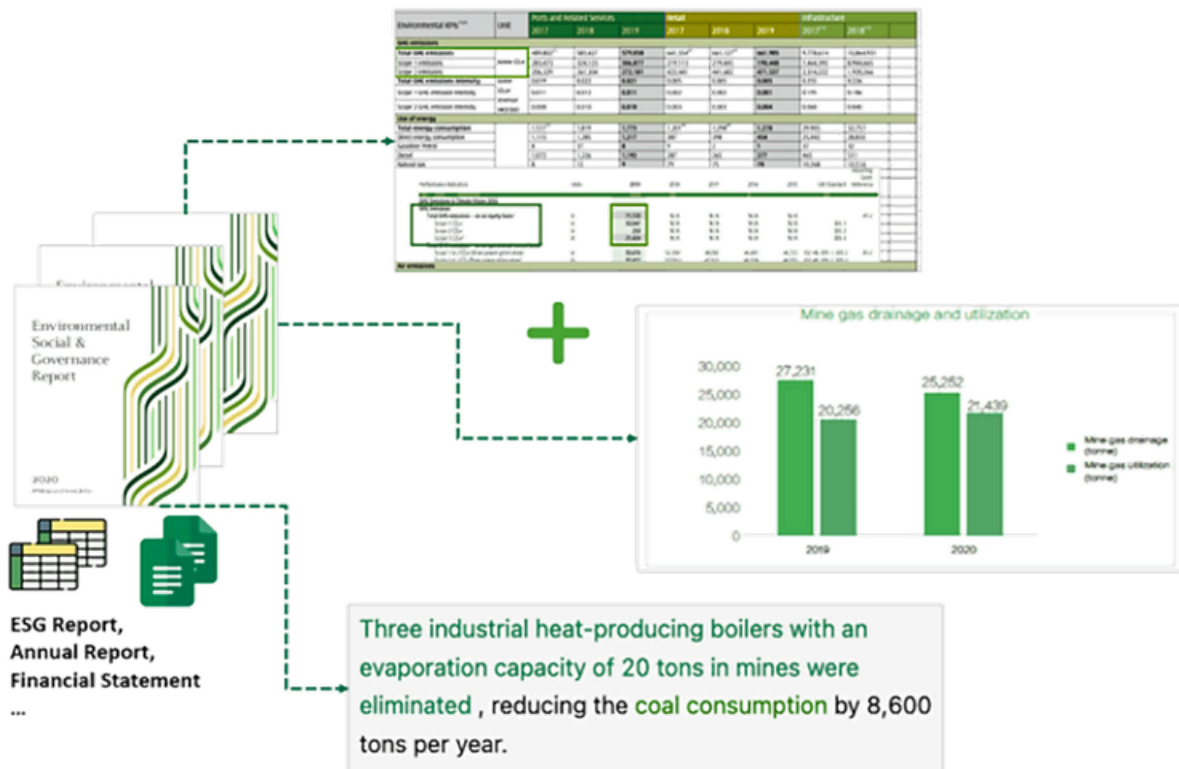
- Controllable Text Generation

Strategy Analysis & Improvement Suggestion
策略分析及改進建議

ASTRI

Highlights

- Few-shot learning
- Deep Semantic Understanding
- Multimodal feature fusion: Table + text + chart
- Controllable text generator



The system can flexibly cope with diverse document formats. Afterwards, multi-dimensional information extraction and analysis are carried out according to the different distributions of data (table or text), while considering the context, semantic synonymous relationship, and similarity.

ASTRI AIESG system leverage AI and NLP technologies to collect, analyse and extract key information from richly formatted unstructured ESG report/annual report to provide a comprehensive view of the ESG status to enhance operational efficiency and reduce manual inspection processes and non-compliance costs.