

i-ESG Solution – Use Case

AI-powered ESG Risk & Data Management Solution (#Integrated #DATA-driven #AI-powered)

Use Case: ESG Reporting Automation for Regulatory Compliance & Stakeholder Communication

Industry: Cross-Industry

Organization: Enterprise, SMEs, Listed Companies

Solution: ESG Reporting Automation

Pain Points & Challenges

Manual ESG Reporting Bottleneck & Framework Complexity: Organizations struggle with the extremely time-consuming and complex process of creating ESG disclosure reports. From collecting diverse data across multiple departments to distributing the final report, the entire workflow involves manual writing, formatting, validation, and compliance verification against evolving standards.

Key Challenges:

- Difficult to determine which frameworks or standards to use for our industry
- Extremely time-consuming and complex process - 3-6 months required
- Manual data collection from disparate sources leads to inconsistencies and errors
- Extensive manual writing, editing, and formatting by sustainability teams
- Multi-stakeholder review process involves cumbersome email exchanges and version control issues
- High reliance on external consultants (\$80K-\$200K annually) for report drafting
- Lack of integrated workflow for design, drafting, approval, validation, and distribution

Business Impact: 4-6 months reporting cycle delays stakeholder communication, 30-40% of sustainability team bandwidth consumed by manual report production, missed regulatory filing deadlines resulting in penalties, poor report quality affecting investor ESG ratings, inability to quickly respond to ad-hoc disclosure requests, and high consultant dependency costing \$80K-\$200K annually.

Solution Coverage

i-ESG Reporting Automation Module eliminates manual ESG report writing by providing an intelligent, end-to-end disclosure generation platform with ESG-specific Gen AI model-powered content suggestions, pre-structured templates, and integrated collaboration workflow - delivering publication-ready ESG reports up to 6 times faster.

Core Capabilities:

- **Smart Framework Recommendation:** AI recommends the optimal reporting framework (GRI, CSRD, SASB, TCFD, UN SDGs, or others) based on your industry, company size, market, regulatory requirements, and stakeholder needs
- **Pre-Structured Templates:** Business-specific disclosure templates automatically populate section structure based on selected framework and company profile (industry, revenue, employees, market)
- **ESG Gen-AI model-Powered Content Generation:** AI-generated text suggestions for each disclosure section (Governance, Strategy, Risk Management, Metrics & Targets) based on your data inputs and industry best practices
- **Automated Data Integration:** Seamlessly pulls ESG data from multiple collaborators across the departments, subsidiaries, and suppliers to auto-populate quantitative metrics
- **Multi-Framework Support:** Create disclosures aligned with GRI, CSRD, SASB, TCFD, K-ESG, UN SDGs, or custom frameworks in one platform
- **Collaborative Workflow:** Multi-role collaboration with in-platform review, commenting, approval workflow, and version control - eliminating email back-and-forth
- **Design & Formatting:** Professional report design, charts, and formatting built-in - no external graphic design needed

Implementation: Platform onboarding and framework configuration & data integration setup (Week 1), first draft generation with AI assistance (Week 2), stakeholder review cycle (Week 3), final publication (Week 4) - total time: 4 weeks vs. 4-6 months traditional process.

ROI & Value Proposition

Quantifiable Benefits within 12 months:

6x

Faster Report Generation

90%

Cost Reduction Vs. External Consultants

85%

Reduction in Manual Writing Time

Value Drivers:

- **Operational Efficiency:** Automation saves 800-1,200 person-hours annually in report production, freeing sustainability teams for strategic initiatives
- **Cost Optimization:** Reduces external consultant dependency from \$80K-\$200K annually to \$20K-25K (approx. 90% savings)
- **Time-to-Market:** Accelerates disclosure publication from 4-6 months to 4 weeks, enabling timely stakeholder communication
- **Quality & Consistency:** GPT-powered suggestions and templates ensure professional narrative quality and consistent formatting across 50+ page reports
- **Regulatory Agility:** Quickly adapt to evolving ESG regulations with automated template updates - no manual rework
- **Collaboration Efficiency:** Integrated multi-stakeholder workflow eliminates version control chaos and reduces approval cycle time by 60%
- **Scalability:** Efficiently produce multiple disclosure versions (investor vs. customer, English vs. local language) without proportional effort increase

ROI Calculation: Annual platform cost of \$20K+ delivers \$80K-\$200K savings (consultant fees + internal labor cost), prevents regulatory filing delays and penalties, and improves ESG ratings leading to lower cost of capital. Total implementation cost of \$20K delivers \$877K annual savings, achieving 87.7x ROI in Year 1 and 0.15-month payback period.

Customer Success Story

"Our first ESG report took 5 months with heavy consultant involvement costing \$180K. With i-ESG Reporting Automation, our second annual report was completed in 6 weeks with 80% less manual writing. The GPT-powered content suggestions understood our industry context and generated draft text that required minimal editing. The integrated approval workflow eliminated the painful email version control we experienced before."

— Head of Sustainability, International Manufacturing Group

Implementation Results:

- Generated **88-page GRI-aligned sustainability report** in 4 weeks vs. 5-month traditional process
- Reduced manual writing time by **85% through GPT-powered content generation** across disclosure topics
- Cut external consultant costs from **\$180K to \$20K annually** (Approx. 90%)
- Published **English and Korean versions** simultaneously with automated translation integration
- Sustainability team freed up **700 person-hours annually** to focus on impact programs vs. report production


Next Steps

Ready to accelerate your ESG reporting and eliminate manual writing?

Schedule a personalized demonstration of i-ESG Reporting Automation Module and see how GPT-powered content generation and integrated workflow can transform your disclosure process from 5 months to 4 weeks.

Get Started Today:

 Email: info@i-esg.io  Web: <https://i-esg.io>

 Book Demo: calendly.com/i-esg-solutions