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data-driven intelligence

Intelligent Resources International (IRI) Ltd.

TECHNICAL PROPOSAL Of

**RESOURCE TRACKING INFORMATION SYSTEM
(RTIS)**



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INTRODUCTION AND OBJECTIVES

This proposal outlines a comprehensive approach to achieving net-zero emissions in the fashion industry through the implementation of the Resource Tracking Information System (RTIS). Our objectives are to reduce greenhouse gas emissions, enhance resource efficiency, and promote sustainable practices across the value chain.

EXECUTIVE SUMMARY

Climate change is no longer a distant threat. We are already living its consequences—rising sea levels, extreme weather events, and devastating impacts on ecosystems and communities worldwide.

Our collective responsibility: The window for action is closing fast. Every individual, business, and nation have a role to play in addressing this crisis. It's a matter of both moral and practical necessity.

Time for decisive action: Transitioning from dialogue to decisive action is crucial; we must embrace renewable energy, invest in sustainable infrastructure, and transform our economies to prioritize both planetary health and an equitable future.

TECHNICAL BACKGROUND, OPPORTUNITY, OR SITUATION

Achieving net-zero emissions in the fashion industry is a multifaceted challenge, and addressing the manufacturing process is crucial.

- **MANUFACTURING PROCESS EMISSIONS:**
 - The manufacturing process contributes significantly to the fashion industry's greenhouse gas (GHG) emissions.
 - More than 50-60% of the total emissions occur during manufacturing, from raw material extraction to production and processing.
- **STAKEHOLDER PARTICIPATION:**
 - Achieving net-zero requires active involvement from all stakeholders: brands, manufacturers, suppliers, and consumers.
 - Collaboration ensures equitable efforts and shared responsibility for reducing emissions.
- **DATA COLLECTION AND TRACKING:**
 - Proper data collection is critical. Brands need accurate information on their emissions.
 - Tracking emissions throughout the value chain helps identify areas for improvement.
- **RESOURCE TRACKING INFORMATION SYSTEM (RTIS):**



- RTIS is a suite of cloud-based tools designed to meticulously monitor resource utilization in textile production.
- It provides real-time data analytics, interactive visualization, and performance tracking. With an operational dashboard, RTIS empowers decision-makers to make informed choices.
- **IMPLEMENTATION OF RTIS:**
 - Brands and manufacturers must invest in the Resource Tracking Information System (RTIS) to monitor and reduce emissions.
 - RTIS provides comprehensive tracking of resource utilization and emissions throughout the manufacturing process, identifying key areas for improvement.
 - With RTIS, manufacturers can optimize energy use, track the efficiency of renewable energy sources, and reduce overall emissions.
- **DATA VALIDATION AND UNBIASED ANALYSIS:**
 - Validating data ensures its accuracy and reliability.
 - Unbiased analysis helps identify effective strategies for emission reduction.

In summary, addressing manufacturing emissions, stakeholder collaboration, and leveraging tools like RTIS are essential steps toward achieving a net-zero fashion industry.

RTIS FEATURES AND PRICING

The Resource Tracking Information System (RTIS) is a secure, cloud-based API-driven system designed for the apparel industry. It offers real-time data analytics, interactive data visualization, performance tracking, and resource usage patterns in the textile production process.

RTIS Features:

Feature	BASIC	BASIC +	ADVANCED	PREMIUM
Data Input from Joining Year	✓	✓	✓	✓
Data Input from Previous Year		✓	✓	✓
Full Functional Dashboard	✓	✓	✓	✓
Advanced Dashboard		✓	✓	✓
Track & Visualize Total Footprint and KPI	✓	✓	✓	✓
Track Department-wise Footprint & KPI	✓	✓	✓	✓
Data Export	✓	✓	✓	✓
Online Training	✓	✓	✓	✓
In-person Training			✓	✓
24x7 Technical Support			✓	✓
Compare Monthly/Quarterly/Yearly KPI			✓	✓



Manage Projects				✓
Track Maintenance Schedule & Implementation Plan				✓
Connect with Consultant				✓
Chemical Management Module				✓
Waste Management Module				✓
Track Buyer (Brands) Footprint & KPI				✓
Drill Down to Style/Order-wise Footprint & KPI				✓

Note: Features and upcoming features of RTIS are subject to change. The RTIS team reserves the right to modify or update features as necessary to ensure optimal performance and to meet evolving industry standards and client needs.

Supplier Categories:

Category	Description	Details
I	Small-scale suppliers with minimal resource tracking requirements	CMT up to 2000 employees, Power Loom, Padding/Quilting
II	Medium-scale suppliers with moderate resource tracking needs	CMT up to 5,000 employees, Spinning, Weaving, Knitting, Non-woven, Sweater up to 30,000 pieces, Hosiery
III	Large-scale suppliers with extensive resource tracking needs	CMT > 5,000 employees, Sweater > 30,000 pieces, Stand-alone washing, Stand-alone printing
IV	Major suppliers with comprehensive resource tracking and additional features	WDF up to 20 ton/day, Medium Composite, Terry towels up to 20 ton/day, Medium Yarn Dyeing, Printing +, Accessories, Lingerie, Denim wash up to 30,000 pcs
V	Industry leaders requiring full-featured tracking and advanced customization	WDF > 20 ton/day, Large Composite, Terry towel > 20 ton/day, Large Yarn Dyeing, Home Textile, Woven, Denim, Denim wash > 30,000 pcs

Pricing for Each Plan (Per Year)

1st Year Pricing

The pricing for the first year of RTIS implementation varies based on the selected plan and supplier category. The BASIC plan starts at \$99, offering essential features for minimal resource tracking requirements. For more comprehensive tracking and advanced features, suppliers can



choose from BASIC +, ADVANCED, or PREMIUM plans, with prices ranging up to \$2,500 for the first year.

Plan	BASIC	BASIC +	ADVANCED	PREMIUM
I	\$99	\$149	\$500	\$1,000
II	\$99	\$149	\$625	\$1,250
III	\$99	\$149	\$750	\$1,500
IV	\$99	\$149	\$1,000	\$2,000
V	\$99	\$149	\$1,250	\$2,500

Renewal Pricing

For the renewal year, the pricing for RTIS implementation is set at 40% of the first-year pricing, making it more affordable to continue benefiting from our resource tracking solutions.

Plan	BASIC	BASIC +	ADVANCED	PREMIUM
I	\$99	\$149	\$200	\$400
II	\$99	\$149	\$250	\$500
III	\$99	\$149	\$300	\$600
IV	\$99	\$149	\$400	\$800
V	\$99	\$149	\$500	\$1000

DETAILED METHODOLOGY

Factory Setup:

1. Comprehensive assessment of current factory operations and resource usage to understand the factory layout for RTIS Setup.
2. Integration of RTIS software tailored to the specific needs of the factory.

Training:

Online and In-person Training Based on RTIS Plan:

- **Basic & Basic+ Plan:** 6 Online Training Sessions for Each Module.
- **Advanced & Premium Plan:** 9 Online and 3 In-person Training Sessions for Each Module.

Training Content:

- Introduction to RTIS and its features.
- Detailed walkthrough of data input and dashboard functionalities.



- Guidance on interpreting analytics and visualizations.
- Best practices for optimizing resource usage and reducing emissions.

IN-PERSON SUPPORT:

- Dedicated support teams available for on-site assistance during initial setup and integration.
- 24x7 technical support available for immediate troubleshooting and assistance.

ANTICIPATED BENEFITS

1. **Enhanced Resource Allocation:** RTIS allows businesses to distribute their resources efficiently. Managers can avoid overburdening specific departments or individuals while optimizing organizational productivity by having a clear resource availability and allocation overview.
2. **Improved Project Management:** Proper resource allocation is a cornerstone of successful project management. RTIS enables project managers to identify the right talent for each task, ensuring projects are completed on time and within budget.
3. **Boosted Productivity:** With streamlined workflows and efficient resource allocation, teams can focus on their core tasks, increasing productivity. RTIS eliminates time-consuming manual processes, freeing valuable time for more critical activities.
4. **Cost Savings:** RTIS helps businesses cut unnecessary expenses by identifying underutilized resources and eliminating overlaps. Companies can reduce operational costs and improve their bottom line by optimizing resource usage.
5. **Real-time Adaptability:** In today's dynamic business environment, adapting quickly is vital. RTIS provides real-time data on resource availability, enabling organizations to respond promptly to unexpected changes or opportunities.
6. **Transparency and Accountability:** The software fosters transparency and accountability by tracking resource usage and project progress. This encourages a culture of responsibility within the organization and promotes better decision-making.
7. **Improved Forecasting:** Resource Management Software's analytical capabilities allow businesses to forecast future resource requirements accurately. Organizations can plan strategically and avoid potential resource shortages by clearly showing upcoming demands.
8. **Enhanced Collaboration:** RTIS can improve collaboration with teammates. The software promotes collaboration by providing a centralized platform where teams can effectively communicate, share information, and coordinate efforts.
9. **Compliance and Regulation:** RTIS helps businesses comply with industry regulations and internal policies by ensuring that resources are used according to established guidelines.
10. **Scalability:** As businesses grow and evolve, their resource needs change too. RTIS offers scalability, allowing organizations to adapt their resource management strategies as they expand.



UPCOMING ENHANCEMENT

In the upcoming releases, we're excited to introduce cutting-edge features that will elevate your experience with our platform. Our development roadmap includes the integration of AI technology to streamline processes and enhance decision-making capabilities. Additionally, we're committed to implementing Environmental, Social, and Governance (ESG) standards throughout our platform, ensuring sustainability and responsible business practices. Furthermore, we're aligning with the Science-Based Targets initiative (SBTi) to address climate change and reduce carbon emissions.

Note: These features are subject to change based on the decisions made by our esteemed RTIS board members, reflecting our dedication to adaptability and responsiveness to stakeholder feedback.

SUSTAINABILITY IMPACT

The implementation of RTIS will significantly contribute to long-term sustainability by reducing environmental impact, promoting efficient resource use, and fostering a culture of continuous improvement in the fashion industry.

CONCLUSION AND CALL TO ACTION

By integrating visionary leadership, technical expertise, and innovative tools such as RTIS, we offer a comprehensive solution that sets us apart in sustainable development. We invite all stakeholders to join us in this critical initiative to achieve a net-zero emission goal in the fashion industry, ensuring a healthier planet and a more equitable future.