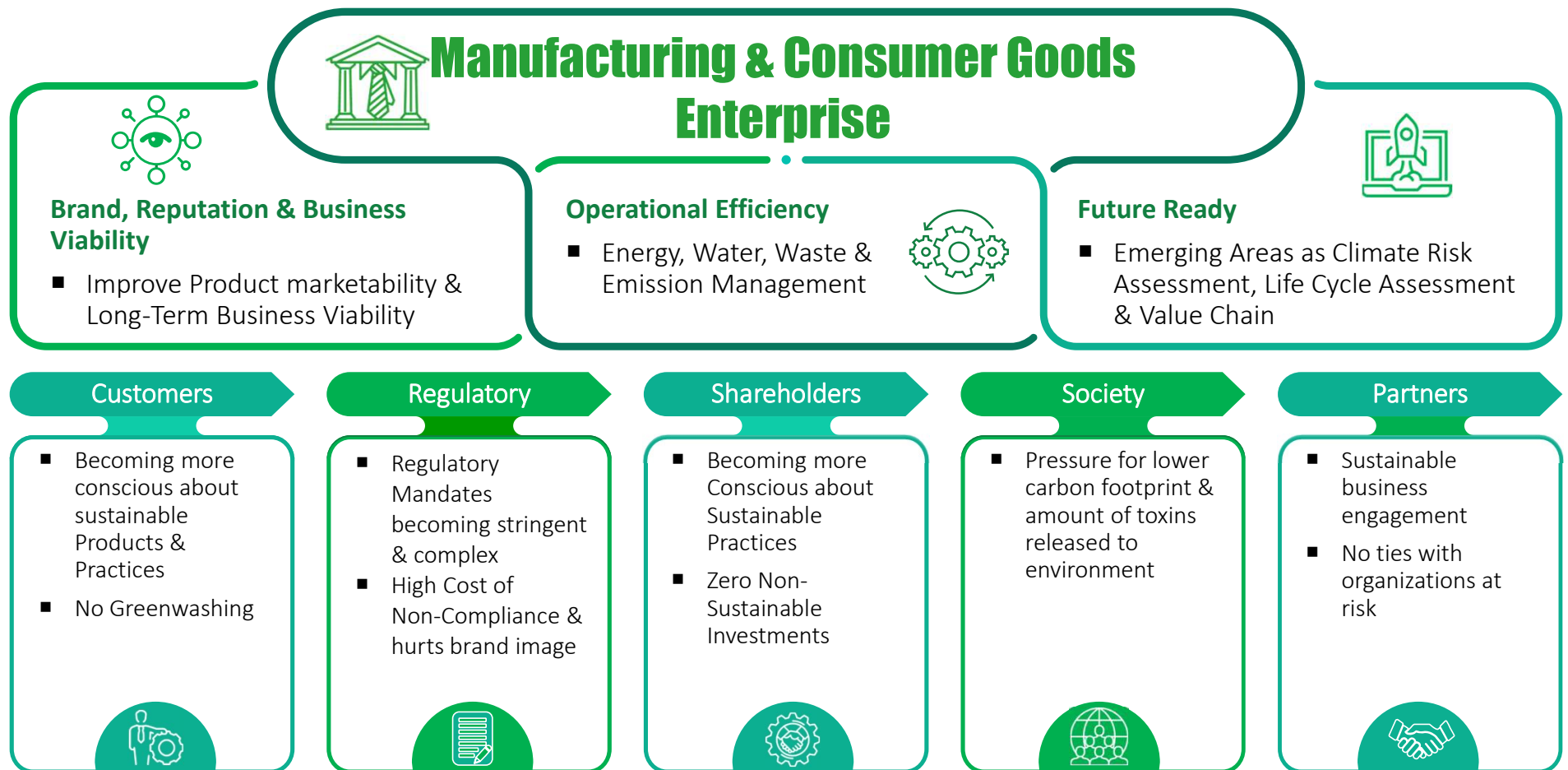# Sustainability Consulting Services – Assessment

For Manufacturing & Consumer Goods Companies
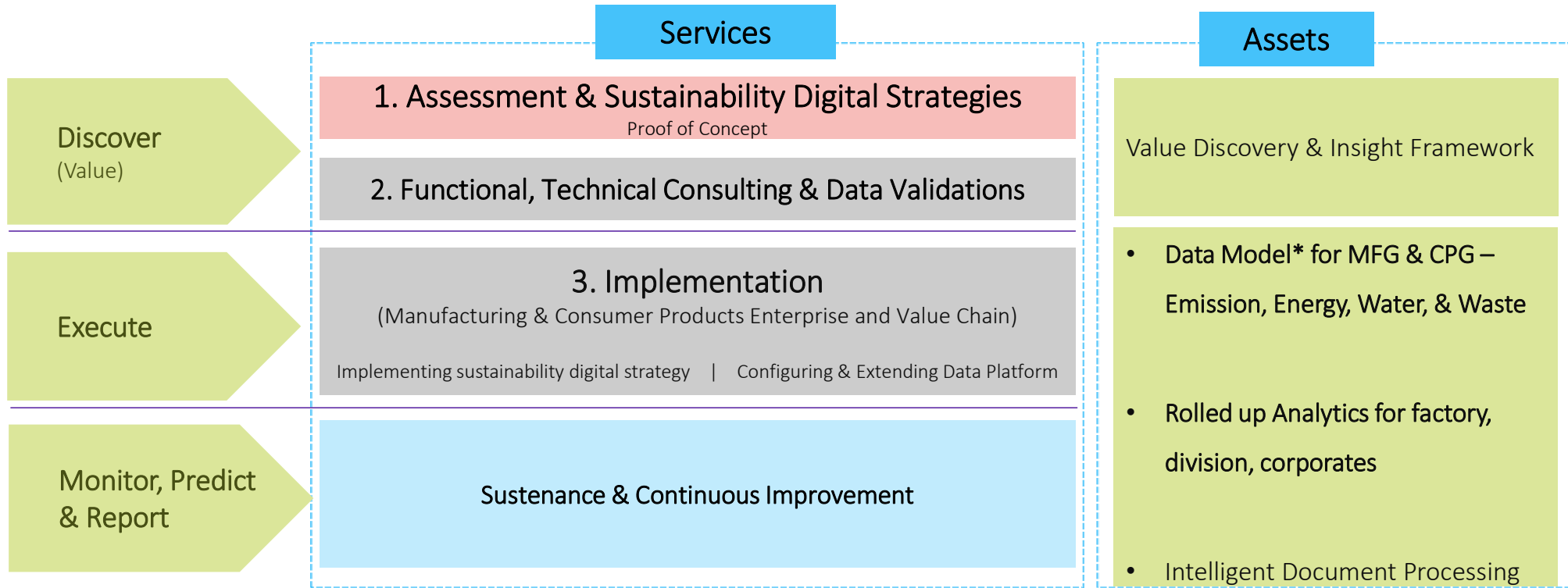
Caring for Environment by Deploying Sustainability Digital Solution at Scale

February 2023

The Business Imperatives

Manufacturing & Consumer Goods Enterprise

Brand, Reputation & Business Viability
- Improve Product marketability & Long-Term Business Viability

Operational Efficiency
- Energy, Water, Waste & Emission Management

Future Ready
- Emerging Areas as Climate Risk Assessment, Life Cycle Assessment & Value Chain

Customers	Regulatory	Shareholders	Society	Partners
- Becoming more conscious about sustainable Products & Practices - No Greenwashing	- Regulatory Mandates becoming stringent & complex - High Cost of Non-Compliance & hurts brand image	- Becoming more Conscious about Sustainable Practices - Zero Non-Sustainable Investments	- Pressure for lower carbon footprint & amount of toxins released to environment	- Sustainable business engagement - No ties with organizations at risk

Sustainability Offering

Services

Assets

Discover (Value)	1. Assessment & Sustainability Digital Strategies Proof of Concept	Value Discovery & Insight Framework
	2. Functional, Technical Consulting & Data Validations	
Execute	3. Implementation (Manufacturing & Consumer Products Enterprise and Value Chain) Implementing sustainability digital strategy | Configuring & Extending Data Platform	• Data Model* for MFG & CPG – Emission, Energy, Water, & Waste
Monitor, Predict & Report	Sustenance & Continuous Improvement	• Rolled up Analytics for factory, division, corporates • Intelligent Document Processing

Legend: Consulting Services – Assessment

Note: Full stack of offering is depicted for completeness

*Standards Compliant (GRI)

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Sustainability Consulting Services Catalog

	Service Type	Methodology	Key Deliverable	Typical Timeline*
1	**Assessment & Sustainability Digital Strategies**			
1.1	*Value Scan – Assessment*	▪ Scan Value areas Material to the Organization through Workshops	▪ Value Areas Identified ▪ Approach Identified & Proposal	3 Days
1.2	*Value Insight – Detailed Assessment, Digital Strategies & Proof-of-Concept (PoC)*	▪ As-Is, To-Be State & gap analysis through Workshops conducted onsite ▪ PoC (limited scope implementation) to assess & demonstrate customer need fulfilment	▪ Assessment document with Technology Strategy & Digital Roadmap for Solution ▪ Estimated time & cost of implementation	4 – 6 Weeks

May vary on case-by-case basis depending on engagement complexity & size

Consulting Services to Enable Digitalization of Use Cases…

Functional Areas for Sustainability Data Model – Energy, Emission (Scope 1, 2 & 3), Water, Waste, Social, Supply Chain (audit/ assessment/ self declaration – survey based)

Specific Energy Consumption Reduction
Target vs. Actual

Absolute Energy Consumption

% of Energy from Renewable Sources
Target vs. Actual

% of Grid Electricity from Renewable Sources
Target vs. Actual

% Reduction in Specific Water Consumption
Target vs. Actual

Specific Water Consumption

Water Consumption & Discharge

% of Total Volume of Water Recycled & Reused

% Reduction in Specific Emission
Target vs. Actual

Annual Specific Emissions

Absolute Annual Emissions (Tons CO_2 equivalent)

Energy Indirect GHG Emission (Tons CO_2 equivalent)

Specific Waste Generated
Target vs. Actual

Annual Waste Generation

Waste Treatment (Recycle/ Reuse) %

Waste Generation Performance by Business

Note: KPIs depicted are representative & not exhaustive

Data Traceability/ Auditability	Eliminate Data Errors & Non-Compliances	Agile Analysis & Reporting	Improve Operational Efficiency

Why ITC Infotech?

Full Stack Solution

Data Ingestion from Sources

Data Management

Visualizations (Analytics) & Reporting

Feed to Destination Systems

Data Model

From source of data, transformations thru' to consumption

Include functional areas of Energy, Emission, Water & Waste

Industry Focus

Manufacturing (e.g., Industrials, Auto-Ancillary) & Consumer Goods (e.g., FMCG)

Depth of Experience

Easy to roll out to multiple businesses
Extendable to multiple factories/organization units with minimal configuration changes
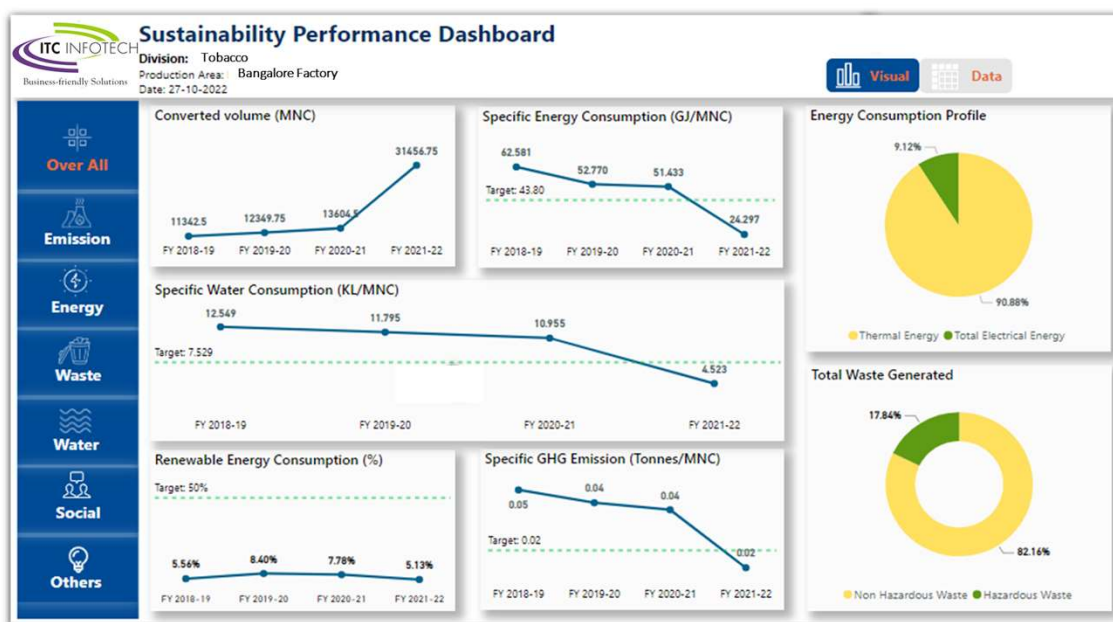
Support third party audits
Configurable to extend access to external party to audit the data and reports

Reusability & Configurability
Configurable Elements & alignment with Standards

Proof Points

- **FMCG major as Customer Zero for Sustainability Consulting & Solution Development**
  - 2 Divisions (Tobacco & Papers) currently in Scope & Under Development

- Other Engagements: ESG Consulting Services & Solution Framework: Sustainability Consulting & Reporting solution for Steel Conglomerate - improved sustainability management & reporting

THANK YOU

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