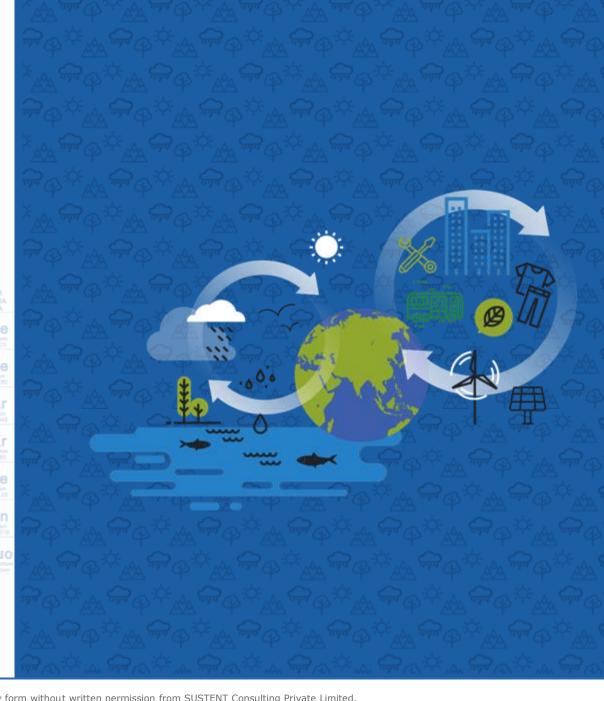


Introducing SUSTENT Group





SUSTENT Group helps clients with

Integrating Sustainability
In Corporate Strategy

Improving Operational Performance

Environmental SustainabilityPerformance Management Of
Supply Chains

Transitioning To A Circular Economy



Technical Services For Green Finance

Training And Capacity
Building For A Green
Economy

CSR Projects On Environment Related Themes

Managed Services

We work across all Industry Sectors and deliver both Holistic and Specialized Sustainability Solutions

Some of our Core Services

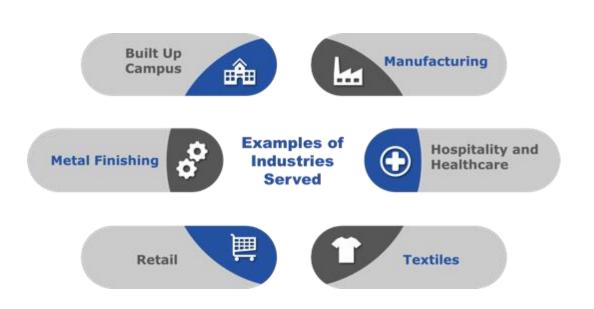
Materiality Analysis

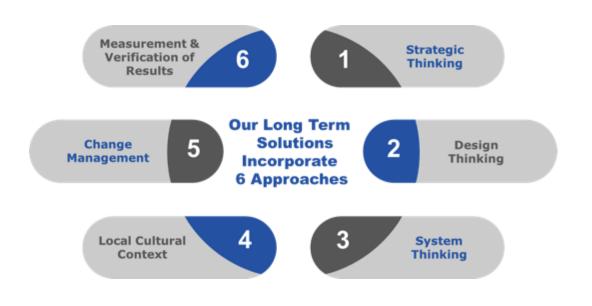
Capacity Building

Implementation of Sustainability Management Systems

Resource Efficiency
Solutions

Energy Management | Water Management | Zero Discharge Of Hazardous Chemicals |
Carbon Footprint Assessment And Reduction





We are long term Trusted Advisor and Implementation Partner for our clients and deliver significant Value and Benefits over time

We engage with enterprises to plan and implement appropriate sustainability solutions and to provide strategic guidance, coaching and change management facilitation at all levels in the enterprise. This generates both short term and long term value for the enterprise.

We facilitate the change in the mindset of company leadership, management and staff to understand, appreciate, adopt and embed the relevant concepts and practices of sustainability and to see the big picture of how this fits in with the overall strategy and goals of the organization.

Some of the Benefits we deliver with our consulting solutions









Reduced cost of resources





Reduced cost



Increased transparency and visibility of sustainability outcomes

These four values are core to our organization DNA and reflect in our work

Integrity

Fairness

Team Work

Client Orientation Our mission or core purpose is to help the world meet its needs sustainably from the finite resources on the planet



Our mission is closely aligned with the United Nations Sustainable Development Goal 12 (known as SDG 12 in its short form) which is to ensure sustainable consumption and production patterns

So far, we have helped

700+
Organizations

in

10 Asian Countries

Our vision is to help at least 10,000 organizations to adopt a "sustainability" mind-set with emphasis on resource efficiency and a linkage with a circular economy



A sustainability journey that began in 2007

2007 STENUM Asia setup as a not-for-profit entity with help from an Austrian consulting group

2012 First International project

2018 SUSTENT Consulting setup as a private limited company by Indian and Austrian founders

2019 Prof. Walter Stahel, the globally renowned Circular Economy expert joins STENUM Asia advisory board

2020 Collaboration with GRI South Asia to accelerate adoption of sustainable business practises and reporting by small and medium enterprises in South Asia

An Internationally recognized and trusted sustainability consulting group

Empanelled with Bureau of Energy Efficiency (BEE), India as an Energy Service Company (ESCO)

Active member of Alliance for Energy Efficient Economy (AEEE)

On ground presence in Europe, India and Bangladesh



Our team has capability to deliver significant Positive outcomes

1

Practical
understanding of
business processes of
both SME and large/
multinational
business
organizations and
their extended
ecosystems at both
strategic and
operational level.

2

Capability to handle complex multi-location assignments. We bring speed and scale to such projects

3

Ability to conduct rigorous research and find appropriate technologies for enhancing energy efficiency in business processes

4

Experience of working with other international partners in consortium mode

5

Experience of having delivered Resource Efficiency and other sustainability solutions to over 700 organizations across several industries (including manufacturing and services)

6

Our consultants are trained on gender sensitivity and are cognizant of local culture protocols

7

Besides a pool of experienced in-house consultants, the group has empanelled external experts and a network of knowledge partners in Europe and Asia

8

Wide International experience of delivering projects in ten Asian countries including projects funded by International Agencies like EU-SWITCH Asia, UNIDO, GIZ and WWF 9

Strong technical resources with ability to implement Management Systems. The consulting team includes: a. Certified Energy Auditors b. ISO 14001, ISO 50001, ISO 45001 Lead Auditors c. M&V expert d. And other certified experts

10

Design and implementation of business models for a Circular Economy

11

Governing Council and Advisory Board includes reputed sustainability thought leaders

An example of our work and positive outcomes

Recently completed a 4
year assignment (called
METABUILD Project)
funded by European
Union - Switch Asia
Programme

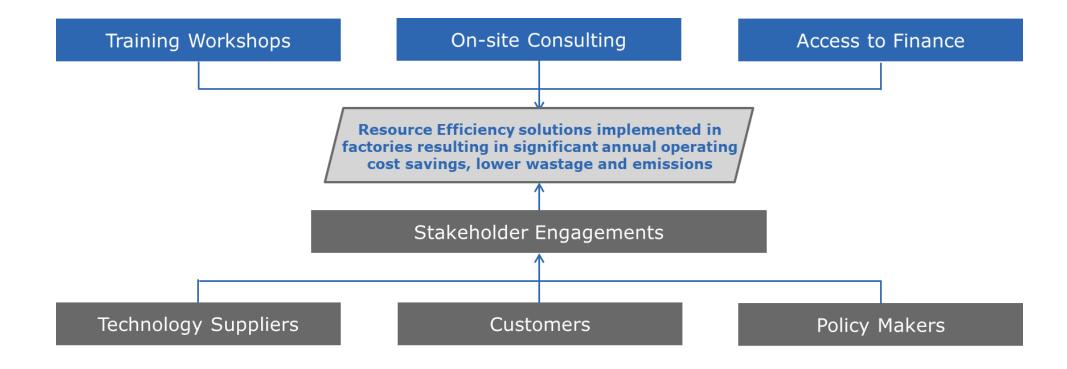
Implemented Resource
Efficient Cleaner
Production (RECP)
solutions in 403 factories
in Bangladesh, Nepal and
Sri Lanka



Target Enterprises

Small and Medium enterprises in metal product supply chain for building and construction sector - rolling mills, sheet metal, metal pipes and cables, non-ferrous products (taps, valves etc.), fabrication (frames, grills), aluminium extrusion, metal finishing

Several different but interlinked components delivered in this project





"Our company has got economical and environmental benefits through implementing the appropriate and effective suggestions provided by METABUILD team. We already saved a good amount of money in terms of electricity and gas savings and also were able to improve indoor environment through reduction of indoor air pollution. We believe that, other improvement opportunities will also be induced if this project continues through long time. I would like to thank METABULD project and all the team members for their holistic and effective support for our industry as well as their contribution for country"

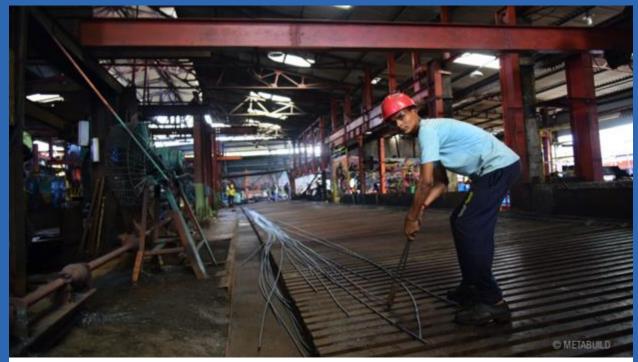
Md. Faruque Hossain

Manager, Appollo Power Electric and Electronic

Examples of Resource Efficiency interventions in industries in Bangladesh



Our energy expert checking combustion conditions for a furnace at Chittagong



Improved daylight at steel re rolling mill at Dhaka with use of transparent roofing sheets

In addition to on-site consulting and hand holding at Factories there were other interventions



Technology fair organised to connect Clean-Tech solution vendors with factories



Training and capacity building on Resource Efficiency for local consultants



Training given to factories on accessing finance to deploy Clean-Tech solutions



On-site training and capacity building of factory workers on Resource Efficiency and Housekeeping

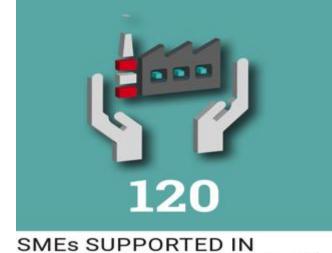
Key project metrics of cumulative work done in all three countries











SMEs SUPPORTED IN ACCESS TO FINANCE (A2F)







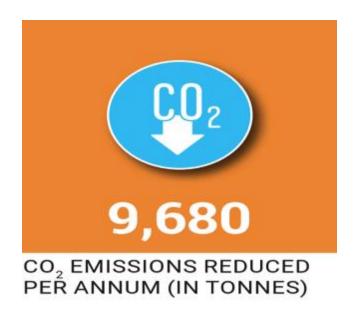
NUMBER OF LOCAL CONSULTANTS TRAINED

Key Results and Outcomes across 403 factories













We have assisted several enterprises in the Pharma and FMCG industry

Project	No. of companies assessed	Types of industries	Focus on	Type of Key interventions	Illustrative impacts / savings achieved
Environmental Improvements in Industry (Sustainable and Environment friendly Industrial development Programme - SEIP) India funded by GIZ	12	Tablet, syrup, API, Condoms, Talc, capsules, ointments, soaps, lotions	Air compressors, boilers, burners, pumps, motors, refrigeration systems, water treatment plants, storage areas, lighting system, conveyors, process, waste, Renewable energy, Packaging	Energy savings, Material savings, waste minimization and water savings	 Chiller usage optimization reduced chiller energy use by 5%. Reduced steam leaks, improved boiler pipeline insulation, introduced process controls leading to 30% fuel saving for boiler, while also reducing water consumption Introduced humidity and temperature control system that reduced AHU usage thus saving energy used for HVAC Improving temperature control on Cooling Tower resulted in 5% reduction in energy use Achieved reduced evaporation losses of water in Cooling Towers through improved maintenance and fan control Plastic waste generation reduced at staff canteens
Resource Efficiency practices amongst industries in Hyderabad India financed by the industries themselves	3	API, API research labs	Air compressors, boilers, burners, pumps, motors, refrigeration systems, water treatment plants, lighting system	Energy savings and water savings	 Installed VFD at partially loaded (forced draft) blowers which reduced energy consumption by 25% Reduced clinker formation in coal fired boiler led to 1% reduction in coal consumption



We have assisted several enterprises in the food industry

Project	No. of companies assessed	Types of industries	Focus on	Type of Key interventions	Illustrative impacts / savings achieved
Green Retail India -funded by European Union Switch Asia grants programme	8	Chips processing , Milk and milk products processing, Wafers, Snacks	Air compressors, boilers, burners, pumps, motors, refrigeration systems (compression),water treatment plants, storage areas, lighting system, conveyors, process, waste, Renewable energy	Energy savings, water savings, Material savings, waste minimization and safety improvements	 Reduced set pressure at air compressor led to savings of 8,200 kWh at no cost. Heat recovery from the fryer burner exhaust led to savings of 30,000 kWh with payback period of 2 years. Repair of refractories of burners led to saving 6,600 kWh with 4 months payback Segregation of lighting switches helped optimise light usage at no investment resulting in saving of 648 kWh electricity. Reuse of ETP treated water for cleaning and other house keeping purposes reduced fresh water consumption by 20%.
Catalyzing Sustainable Water and Energy Management in Food and Beverage Industries in the Ayeyarwady River Basin of Maynamar funded by European Union Switch Asia grants programme	12	Dairy, fish processing, bakery, snacks,	Boiler, cooling tower, compressor, motors, chillers, lighting	Training of Trainers, Energy Savings	 Fourteen (14) Local consultants capacitated to carry out Energy Audit Installation of solar dryer in place of electrical oven saved electricity Optimising fuel to air ratio led to reduced fuel consumption Cleaning chiller tubes, setting return temperatures and improved insulation reduced energy consumption of chiller system
Rice mill cluster in northern India	2	Rice mills	Air compressor, boiler, steam pipeline, lighting system, motor belts	Energy saving, Material saving, Power Factor improvement	 Steam pipeline insulation and leakage repair led to rice husk (fuel) saving Energy savings achieved in compressor by VFD installation Power factor improvement reduced power demand Optimum air flow reduced fuel consumption in boiler
Sustainable and efficient Industrial Production (SEID) - Nepal and Bhutan funded by European Union Switch Asia grants programme	53	Tea, coffee, Bakery, flour mill, noodles industry, Agro based products, Dairy products, Distillery, wine and liquor	Boilers, burners, pumps, motors, refrigeration systems (compression),water treatment plants, storage areas, lighting system, conveyors, process, waste, Renewable energy etc.	Energy savings, Material savings, waste minimization, water savings and safety improvement	 By Switching bakery trays with less thermal mass and reduced baking time to optimum saved 11,000 kWh energy annually with payback period of 3 months Conserving Water by installing tap to regulate free flowing water to within 40 l/min saved water. Installation of solar PV reduced use of diesel generator - saved 963 litres of diesel per year



We have assisted several enterprises in the textile industry

Project Name	No. of companies assessed	Types of industries	Focus on	Type of Key interventions	Illustrative impacts / savings achieved
Energy Audit at Dyeing units	4	Dyeing	Air compressors, boilers, burners, pumps, motors, refrigeration systems (compression),water treatment plants, storage areas, lighting system, conveyor	Detail energy Audits	 Condensate recovery recommended from the process after use to re use in the boiler which led to saving of 48.9 MT of coke can be saved. The oxygen percentage in flue gas is on higher side i.e. 12% which can be minimized and lead to saving of 68 MT of coke. Monitoring of energy consumption as per national benchmarks for similar type of industries, company started tracking the energy consumption at each step process for both electrical and thermal.
SMART Textile & Garments funded by the European Union	12	Ready-made garments	Air compressors, boilers, burners, pumps, motors, , lighting system, Solar, Rain water harvesting	ToT, Energy Savings	Trained 4 people (local consultants) on Energy Audit, renewable energy system and rainwater harvesting
Energy Audit at Sri Lanka	3	Ready-made garments, Dyeing	Air compressors, boilers, burners, pumps, motors, refrigeration systems (compression), water treatment plants, storage areas, lighting system, conveyors	Walk through Energy Audits	 Load shifting from peak hours to nonpeak hours saves around 4000 kWh annually Optimizing the chiller usage and to minimize the chill water supply where not needed.

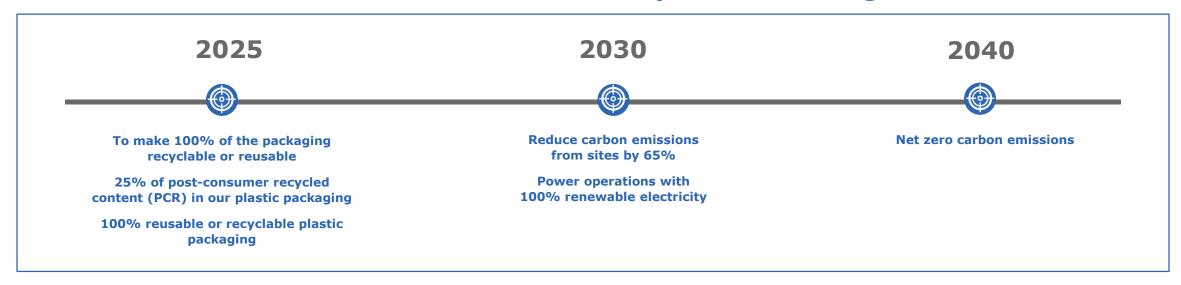


We understand corporates are setting long term sustainability goals

Nestlé Sustainability Goals and Targets for the Planet



Reckitt Benckiser Sustainability Goals and Targets



We can help with these key areas in Supply Chain to meet long term goals

Results that we will deliver

Tools that we will use

Effective Sustainability Performance Management Systems within Supply Chains

Improving Resource Efficiency in operations and

moving towards Net Zero in GHG emissions

Enhanced transparent and meaningful sustainability communication from suppliers – that feeds into the tier-1 supplier GRI report

Established "living" and effective management systems such as ISO 14001, ISO 45001, ISO 50001 with clear objective of actually adding real value to the suppliers and not just compliance

Improved supplier sustainability may positively feed into brands score and the underlying performance related to Dow Jones Sustainability Index

Reduced GHG emissions through decreased energy consumption and transition to renewable energy. Implementation of technical solutions for reduced water consumption and waste minimization. Clear demonstration of benefits leading to improved engagement and performance particularly in supply chain against brands sustainability goals

Transitioning to a Circular Economy

Higher awareness and active engagement throughout the value chain regarding EcoDesign, Re-design of packaging, selection of packaging materials for reducing environmental impact and avoiding single-use, recycling systems and solutions, remanufacturing systems and solutions. Leading to piloting of more circular businesses.

Supplier evaluation and rating on sustainability performance, SUSTENT's proprietary Environment Management System (EMS) deployment tool using ecomapping $^{\text{TM}}$

Customised approach for SMEs towards GRI reporting (developed jointly with GRI South Asia)

Resource Controlling tools, carbon foot-printing, Training and Capacity building (using participative approaches like Fun Factory) Clean-Tech solutions database, Self-assessment tools for utilities and equipment, benchmarking of Key Performance Indicators

EcoDesign tool, Life Cycle Thinking, EcoInnovation, Business Servitisation models

Thank you!

Please Reach Out to Us



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We help the world meet its needs sustainably from the finite resources on the planet