

# SUSTAINABILITY SOLUTIONS FOR MANUFACTURING

BROCHURE



# Summary

Today most of the companies are trying to find the sweet spot in their business strategy whether they can both “do well” and “do good”. Managing expectations of stakeholders, adhering to regulations and norms, and meeting consumer expectations need to be given equal importance. **Tech Mahindra believes in business with a purpose**; Sustainability is deeply rooted within our internal processes & our technological innovations. We are an end to end sustainability partner for our customers enabling their journey towards net zero emissions.



## Introduction

A large and growing number of manufacturers are realizing substantial financial and environmental benefits from sustainable business practices. Sustainable manufacturing is the creation of products through economically-sound processes that minimize negative environmental impacts while conserving energy and natural resources, has transformed the manufacturing landscape. Sustainable manufacturing also enhances employee, community and product safety.

- Respond to or reach new customers and increase competitive advantage
- Protect and strengthen brand and reputation and build public trust
- Build long-term business viability and success
- Respond to regulatory constraints and opportunities

The increasing scarcity and cost of material resources and energy linked to waste management problems has encouraged manufacturers to be more proactive in improving the environmental performance of their processes and treat "sustainability" as an important objective in their strategy and operations to “do well” and “do good” in the society.



Industries spend **15%** of COGS on energy consumption



Industries account for **10%+** CO2 emissions

There are several reasons why companies are making sustainability their No.1 priority:

- Reduce carbon emissions to minimize the negative environmental impact
- Increase operational efficiency by reducing costs and waste

As a global company, our end to end solutions offerings play a huge part in enhancing manufacturing in the modern world. We believe it is our responsibility to protect the wider ecosystem in which we all live and act on the universal shift towards more sustainable ways of working and help improve productivity for the manufacturers.



## Solution Offerings

### Sustainability Consulting

- Sustainability driven by digital
- Carbon Pricing
- Measures for emission reduction (SBTi) Science Based Targets
- ISO 14001, 50001, 45001
- Resources usage efficiency – energy, water, material
- Water Audits, Energy Audits

### Sustainability Optimization Initiatives

- Solar energy management platforms
- Digital energy efficiency platform
- Drone based ocean sludge collection
- Sustainable Manufacturing
- Sustainable Ports
- End to end traceability
- Waste Optimization

### Global Reporting & Rankings

- Carbon disclosure board
- Dow Jones Sustainability Index
- Integrated reporting
- GRI Reporting standards
- FTSE4Good
- Sustainability development goals
- Industry specific global standards
- Helping to improve ESH rating

## Our solution to Net Zero



EVOLVE



MONITOR



ACHIEVE

## Use Cases

Tech Mahindra's vehicle sequence optimization has reduced energy consumption for one of the largest vehicle manufacturers by production in India.

- Sync with shop-floor disruptions
- Real-time decision support

Tech Mahindra's cognitive inspection solution combines image analytics and prediction models to ascertain the impact of deviation and suggests the necessary actions to be taken in order to get the component back on to the assembly line. Thereby **reducing material loss** for a global leader in aviation

# Tech Mahindra Proven Position in Sustainability



**ISS ESG Corporate**  
Awarded with a Prime Status



FTSE4Good

**FTSE4Good Index 2020**  
Constituent of the FTSE4Good  
Index 2020



**Sustainalytics**  
Leader in Sustainalytics with 99  
percentile, & an overall  
ESG Score of 84

**2021 Global 100**  
by the Corporate Knights

**2021 Global 100 Most Sustainable  
Corporations in the world**  
Only Indian company ranked in  
2021 Global 100 Most Sustainable  
Corporations by Corporate Knights



**Carbon Disclosure Project**  
Recognized as Global leader on  
Climate Change and Water Security.  
The only Indian IT company to score  
double 'A' in CDP Climate and CDP  
Water 2020

Member of  
**Dow Jones**  
**Sustainability Indices**  
Powered by S&P Global CSA

**DJSI World Index 2020**  
Amongst only 3 companies from India  
to make it to the DJSI World Index  
2020

**Sustainability Award  
Bronze Class 2021**  
**S&P Global**

**The Sustainability Yearbook-2021  
by S&P Global**  
Received the Bronze Class distinction for  
Excellent sustainability performance. Included  
in the Top 10 IT Services Companies Globally



**Ecovadis Sustainability Rating-2021**  
Awarded Highest 'Gold CSR  
Rating-2021' by Ecovadis for Second  
Year in a Row with 94%

# Tech Mahindra



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