



50  
YEARS IN INDIA

Tech  
Mahindra



## CASE STUDY: TECH MAHINDRA

# SCIENCE-BASED TARGETS

### Validated Targets

Tech Mahindra commits to reduce absolute Scope 1 and 2 GHG emissions **22% by 2030 and 50% by 2050**, from a 2016 base-year.



### About Tech Mahindra

Tech Mahindra is a USD 4.9 billion, multinational information technology and business process outsourcing company. The operational footprint of the company spans across 90 countries and delivers services to 964 global customers, including Fortune 500 companies. Tech Mahindra Ltd. is a subsidiary of the Mahindra Group, which is worth USD 20.7 billion; the global federation of companies divided into 20 business sectors and headed by chairman, Anand Mahindra. Tech Mahindra is the highest ranked non-US company in the 2018 Forbes Global Digital 100 list and in the Forbes Fab 50 companies in Asia.

### Inclination Towards Science-Based Targets

Tech Mahindra aims to inculcate sustainability into every aspect of its operations and value chain, for which the company has chalked out a five-year sustainability roadmap for smoothly transitioning to a low-carbon economy. The framework is based on three pillars: people, planet and profit. The company abides by the roadmap and takes into account the impact of sustainable operations on the environment, society, and economic status of the business.

At the World Economic Forum in 2018, Anand Mahindra, Chairman, Mahindra Group pledged to commit the entire Group to the Science-Based Targets initiative (SBTi), aligning its emissions reduction targets and activities with the latest climate science and Paris Agreement goals, with the aim to mitigate climate change.

In February 2019, Tech Mahindra became the fourth Indian company to have its science-based targets validated by SBTi.

## Strategic Approach to Meet Science-Based Targets

Tech Mahindra has achieved a 76% reduction in its Scope 1 emissions by implementing a whole host of measures, the most important of which has been the reduction of diesel in company-owned vehicles, transport and logistics. The company's growth and expansion in infrastructure has led to an increase in its carbon footprint.

Figure 1: Emissions Profile (metric tonnes CO<sub>2e</sub>)

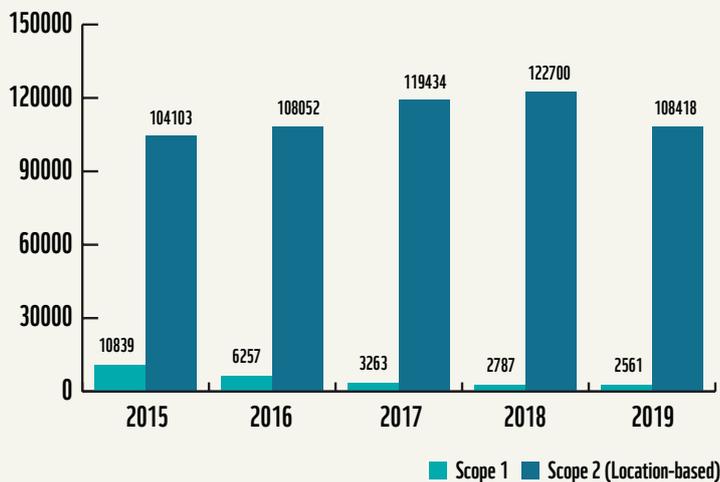
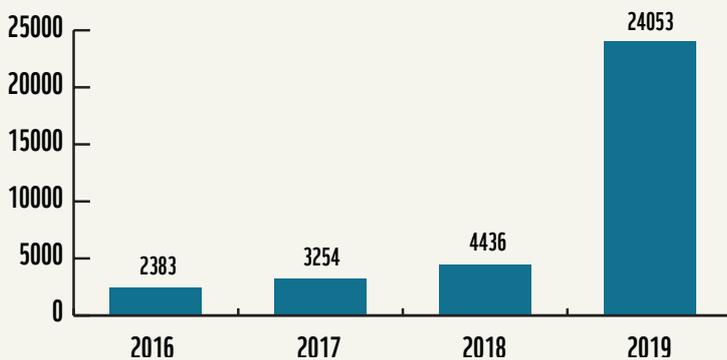


Figure 2: Renewable Energy Consumption (MWh)



In 2018-2019, Tech Mahindra reduced its total Scope 1 and Scope 2 emissions by 12%, through efforts such as installation of motion sensors and low carbon lighting in all major campuses and new buildings. The company also invested in energy efficient laptops and servers, natural cooling systems for data centres, better air conditioning equipment, in the efforts to reduce its electricity consumption.

Increasing clean energy adoption is a key component of Tech Mahindra's sustainability roadmap. To achieve this target, the company installed solar panels at seven of its facilities, with a total capacity of over 3400 kWp. These solar panels have helped in achieving reduction of over 3,700 metric tonnes of CO<sub>2</sub> equivalent by generating over 4430 MWh of energy in 2018. The company significantly increased its renewable energy consumption 2016 onwards. Tech Mahindra consumes all of its self-generated solar power, in addition to consuming 18,500 MWh of solar power via Power Purchase Agreements (PPAs).

Tech Mahindra's major source of Scope 3 emissions is business travel. The company has made concerted efforts to cut down Scope 3 emissions, which includes investments made in remote communications infrastructure, such as teleconferencing and Webex, and improved

access of public transport for employees. These advancements have helped the company in reducing 32% emissions from business travel. In 2018-19, the company successfully reduced total emissions of over 19,500 metric tonnes of CO<sub>2</sub> equivalent.

Apart from the initiatives focusing on GHG emission reduction, Tech Mahindra has widened the scope of sustainable activities for the betterment of society, environment, and business such as better water and waste management, and greener value chains. Setting science-based targets has helped the company in translating their sustainable actions into various advantages such as energy saving, low energy costs, recognition, and credibility. The company aims to expand its horizon and set a benchmark for the industry by developing sustainable solutions for businesses, while being environmentally friendly, socially responsible and economically beneficial.

*This case study has been prepared by WWF-India, based on a case study prepared by CDP India in February 2020. Available at: <https://sciencebasedtargets.org/case-studies-2/tech-mahindra/>*

Disclaimer: Science Based Targets initiative is a collaboration between CDP, the United Nations Global Compact, World Resources Institute (WRI), and the World Wide Fund for Nature (WWF) and one of the We Mean Business Coalition commitments. In India, WWF and CDP have collaborated and launched Science-Based Targets initiative Incubator which is supported by Shakti Sustainable Energy Foundation (SSEF). We are thankful to SSEF for their support.

