



IIW-India and India's National Welding Capability
and
their significance to the UN Sustainable Development Goals



REPORT: IIW-India and India's National Welding Capability and their Significance to the UN Sustainable Development Goals

Introduction by **Rituraj Bose**, Honorary Secretary General, IIW-India.

The India Institute of Welding (IIW-India) recently took up the challenge to show how it and the Indian welding industry were both enhancing the country's national welding capability as well as contributing to India progressing the 17 United Nations Sustainable Development Goals (SDGs). This report co-authored by **Deepak Acharya**, President IIW-India, **Chris Smallbone**, International Institute of Welding (IIW) Fellow, and **R. Srinivasan**, Chairman, IIW-India Foundation, assesses how IIW-India and the welding industry have positively influenced the SDGs, and improved the quality of life of people and the environment in India and other SAARC countries.

The report will also give IIW-India members the opportunity to assess their companies against the SDGs and their commitments to sustainability.

For the future, it is the intention of IIW-India to draw up mutually beneficial strategies and action plans with the support of Government of India, industry and aid agencies for implementation to achieve significant progress in UN SDGs for which it and its members have the expertise.

IIW-India's National Welding Capability (NWC) Project

IIW-India, together with its members and networks, has worked for many years to improve the nation's National Welding Capability (NWC).

<https://www.scielo.br/j/si/a/tDWHcwCpMB3tFYY4xTXWZWt/?lang=en>

Improving a country's National Welding Capability can make a significant contribution to, and have a very positive effect on, many national and international programmes including the SDGs.

Such initiatives include, amongst others, education, training, qualification and certification of personnel to both national and international standards, assisting companies to meet exacting standards of customers, R&D and technology transfer. IIW-India also assists in improving education and training to increase self-sufficiency and diversity in skilled personnel in India and other regional countries.

IIW-India's excellent national, regional and international networks of individuals and organisations, including the International Institute of Welding (IIW) and its members, universities, colleges, research organisations and companies involved in welding enables it to cooperate and collaborate with them and leverage many of the activities, including technologies, required to progress the NWC and various SDGs.

What are the UN Sustainable Development Goals (SDG)

The United Nations (UN), has 193 countries as members and with the challenges of improving the quality of life in countries, in 2015, world leaders agreed for the UN to implement 17 Sustainable Development Goals (SDGs) aimed at low and middle income countries.

Each UN country is supposed to measure its progress on an annual basis against the targets and indicators set against each SDG.

https://en.wikipedia.org/wiki/Sustainable_Development_Goals

The Indian Government was part of the **2020 Voluntary National Review** of the High-Level Political Forum on Sustainable Development and many of the Government's flagship programmes such as **Make in India**, **Skill India** and **Digital India** are at the core of the SDGs. India currently ranks 120 out of 165 countries reporting.

<https://sustainabledevelopment.un.org/documents/india>

India has successfully lifted more than 271 million people out of multidimensional poverty through economic growth and empowerment, enhanced access to nutrition, child health, education, sanitation, drinking water, electricity and housing. This has led to reduced inequalities especially among people in vulnerable situations

SUSTAINABLE DEVELOPMENT GOALS



The Way Forward

It is hoped that this report will stimulate ideas amongst the Indian welding community for feedback to Chris Smallbone allbones@iinet.net.au, and Rituraj Bose, Honorary Secretary General, IIW-India, rituraj.bose@iiwindia.com as well as for dissemination into countries to improve their SDGs.

The link <https://asr.ro/documents/C.Smallbone2021.pdf?t=1639211760> contains many examples and references to various initiatives across welding-related fields, which have been, or could be, introduced for all 17 UN SDGs.

LINK TO DOWNLOAD THE REPORT

<http://iiwindia.com/wp-content/uploads/2022/02/IIW-India-NWC-Report-on-UN-SDG.pdf>