



Sustainability in Steel Construction  
ASI CHARTER MEMBER

## Charter helps sustain fabricator businesses

**The Australian Steel Institute's Environmental Sustainability Charter (ESC) program encourages and rewards steelwork contractors to find real ways to lighten their environmental footprints whilst reducing costs to their businesses.**

Whether it's about lowering energy consumption, reducing wastage or lifting efficiencies around the workshop, there is a myriad of initiatives that can be undertaken to satisfy Charter requirements that clearly demonstrate how good environmental practice is also good business practice.

The Charter was established for steelwork fabricators, processors and contractors to run their businesses more efficiently along sustainable lines, demonstrate environmental responsibility and share their knowledge of sustainability with others.

The scheme is about an ongoing process of commitment to environmental sustainability. In practice, Charter member companies pick projects to work towards that will **improve their company's environmental footprint while improving their bottom line.**

### Developed with GBCA

The Australian Steel Institute (ASI) worked with the Green Building Council of Australia (GBCA) to establish the ESC scheme. Under the Green Star building rating system, there is a Green Star credit point that the builder may claim for their project for using steel fabricated by companies who are members of the Charter.

*"We congratulate the Australian Steel Institute for its ongoing leadership. The ASI Charter has engaged the entire steel supply chain to embrace more environmentally-sustainable business practices. It has supported downstream manufacturing, fabricating and supply companies that are an integral part of the entire supply chain. The result is better buildings and a stronger supply chain."*

**Romilly Madew**

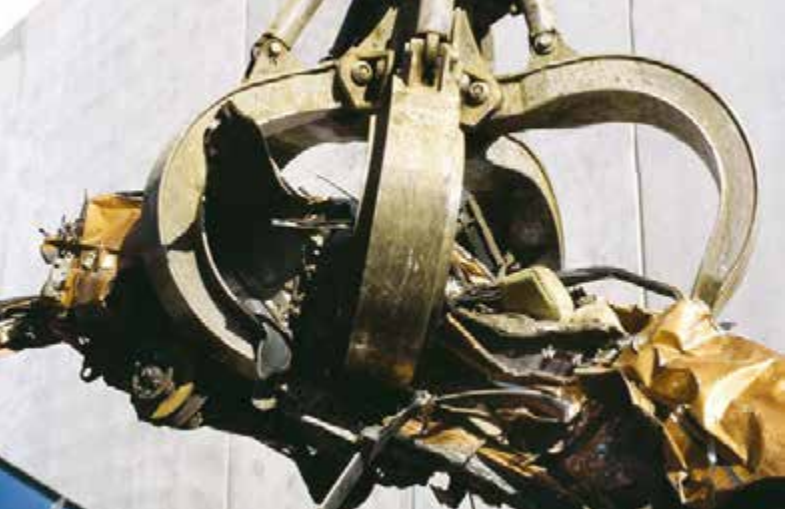
Chief Executive Officer, Green Building Council of Australia

The scheme is designed to be used by regulators, environmental rating agencies and bodies such as the GBCA, State authorities such as for rail and road, and any other contracting body that wants to demonstrate environmental improvement. Many state government projects have specified the Charter providing excellent opportunities for industry to participate and contribute to the responsible supply and fabrication of infrastructure projects.

### Member commitment

ESC member companies that agree to be bound by the Charter formally declare their commitment to a set of sustainable principles. They are assessed and monitored via an annual audit against a range of environmental requirements set out in the ASI's online Environmental Management System mentoring.

An ESC Charter member can fulfil steelwork sustainability requirements where a project specifies this commitment as a contractual requirement.



## Green Star requirements

One Green Star credit point may be earned where at least 60 percent of the fabricated structural steelwork on a project is supplied by a steel fabricator or contractor accredited to the ESC.

As well, 95 percent of the steel (by mass) used in the project must be supplied from environmentally responsible steelmaker/s who have a valid ISO 14001 Environmental Management System (EMS) in place and are signed to the World Steel Association's Climate Action Program (WSA CAP).

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There is a multitude of sustainable measures that steel businesses can undertake to lighten their load on the environment:

- ◆ Installing solar power
- ◆ Better waste management techniques
- ◆ Better scrap recycling
- ◆ Use of power storage batteries
- ◆ Recycling rainwater
- ◆ Reducing industrial gas emissions
- ◆ Improving lighting efficiency
- ◆ Improving design efficiency to consume less materials
- ◆ Improving welder efficiency
- ◆ Recycling office waste
- ◆ Using natural lighting in the factory via clear roofing panels
- ◆ Implementing the use of spill kits
- ◆ Improving transport efficiency
- ◆ Educating the wider supply chain on environmental efficiencies

