



# Sustainable steel

- it just makes **SENSE**



## The challenge of the transition to a low emission economy is one in which InfraBuild is up for.

We see two pathways that the domestic steel industry must travel simultaneously to achieving this outcome:

The first relates to steelmaking processes and the role of manufacturers in producing lower embodied carbon products.

The second relates to the whole supply chain playing a role in transforming the value proposition with a focus on sustainable supply chain, in particular finding ways to provide solutions using less steel.

It is this second pathway that is front of mind as we invest in product and solution development.

InfraBuild recognises that we have a major impact on our customers Scope 3 emissions profile hence it is our absolute focus to become a net zero steel solutions provider, delivering real value to our construction partners decarbonisation ambitions.

This is where we need to work smarter and more efficiently to deliver lower embodied carbon solutions to our customers – and reducing the amount we consume and supply.

The use of high strength steel coupled with innovative product design will be core to InfraBuild delivering a more sustainable product range.



**It means lower Scope 3 emissions without reinventing your processes, and building a brighter construction industry without compromise.**

SENSE 600® gives you up to a 39 per cent reduction in embodied carbon steel solution when you use it in place of our equivalent load capacity 500 MPa product.

The reimagined rib pattern maintains the bar development length and allows the redistribution of material to provide a larger core area for improved buckling performance and tensile capacity all whilst using up to 16.7% less raw material.

For confidence and integrity, SENSE 600® has third party JAS-ANZ certification and meets the strict requirements of AS/NZS 4671.

All of this lights the way to a more sustainable future – a future where the sustainable choice is the obvious choice.

**SENSE 600® from InfraBuild –  
Australian made sustainable steel  
– it just makes SENSE.**



## How does SENSE 600® help me with my “Green Star Buildings” rated project?

SENSE 600® has been certified by GECA to their Steel and Steel Products (SSP v1.0i-2019) Standard.

GECA is a recognised Product Certification Initiative within the GBCA's Green Star rating tools. Products certified by GECA may contribute to a project's Green Star rating through the Responsible Products credits.

This initiative's Responsible Product Value (RPV) is  $\geq 15$ , which can support the requirements for a 'Best Practice product' outcome.

SENSE 600®'s lower GWP, or embodied carbon, can also contribute to the requirements in the Upfront Carbon Emissions credit, by reducing the embodied carbon of the steel reinforcing used in your project. The Upfront Carbon Emissions credit is worth up to 6 Green Star points.



## How does SENSE 600® help my “ISv2.1” rated project?

SENSE 600® has many attributes that are recognised in the ISv2.1 ratings tool. Importantly, InfraBuild is part of the ISupply products directory. Use of products from up to three ISupply members can contribute to 0.75 of an IS Point.

InfraBuild produces a Sustainability Report, which talks to our ESG status, aligned to GRI requirements, on an annual basis.

SENSE 600® GECA certification allows it to be recognised with the highest possible Sustainability Factor (SF) of 1.00.



## EPDs – Environmental Product Declarations

Simply put, EPDs are “nutrition labels” for materials and the one source of the truth that the market looks to for environmental impact metrics, including the ‘embodied carbon’ of materials. EPDs are published to rigorous and internationally recognised Standards and Rules, so that you can have confidence in the information they provide.

InfraBuild has developed a specific SENSE 600® EPD which demonstrates the lower embodied carbon credentials of this product, so your projects can take advantage of the up to 39 per cent reduction of embodied carbon, compared to standard InfraBuild G500 reinforcing bars. The SENSE 600® EPD is available [here](#).



[SENSE 600 website.](#)



## Material Circularity Indicators (MCI)

One of the key sustainability attributes of SENSE 600® is that it is made entirely from scrap steel at InfraBuild's own Electric Arc Furnace (EAF) steel mills in Laverton (Melbourne) and Rooty Hill (Sydney).

As such, SENSE 600® has both a very high recycled content input and it also highly recyclable at the end of its life, making it highly circular, which can be quantified through the use of the MCI metric.

MCI metrics for SENSE 600® are available in the SENSE 600® EPD published [here](#).



Measuring Material  
Circularity





## GECA (Good Environmental Choice Australia)

GECA Certification is a Type I Ecolabel that is recognised by the Green Building Council of Australia (GBCA) and the Infrastructure Sustainability Council (ISC) as a demonstration of the environmental credentials of a product.

SENSE 600® has GECA Certification, allowing it to be recognised in the GBCA's Green Star Buildings ratings tool and the ISC's ISv2.1 rating tool.



InfraBuild's GECA  
Certification







## SSA (Steel Sustainability Australia)

Steel Sustainability Australia (SSA) is the evolution of the Environmental Sustainability Charter (ESC), both of which are run by the Australian Steel Institute. The SSA scheme audits and recognises reinforcing processors and structural steel fabricators, and once approved, they are known as “SSA Certified Suppliers”.

Being an “SSA Certified Supplier” gives the opportunity for a processor or fabricator to provide Green Star points for projects they supply, that are rated by the Green Star Buildings tool.

InfraBuild is recognised as a “SSA Verified Steel Producer” and as such, InfraBuild’s SENSE 600® can be utilised by “SSA Certified Suppliers” to support their Green Star Buildings rated projects.



InfraBuild's  
SSA certification



## Traceability

SENSE 600® has a number of unique attributes that can provide you with confidence that what you designed and specified, is what you procured and importantly, what ends up in your project. This is vital regardless of whether you are part of the supply chain, design fraternity, the construction market, or even the asset owner or end user of the project.

The visually unique markings on SENSE 600®, its bar markings and patterns, specific diameter designators and differentiated shape all combine to ensure SENSE 600® is readily identifiable throughout the supply chain and also when it reaches site.

SENSE 600® also comes with distinct and unique bundle tags which provide links back to the individual steel heat, the matching test certificates, as well as InfraBuild's ISO 14001 certification and ACRS certification.



## Modern Slavery Statement

SENSE 600® provides you with transparency, governance and confidence for your steel supply chain.

At InfraBuild, our mission of building futures through sustainable steel is underpinned by strong, enduring relationships and guided by our values in how we interact with each other. We recognise the importance of working closely with our stakeholders, suppliers and customers, and our role as an industry leader when addressing human rights and modern slavery.

We believe all human rights must be respected and that we must address any modern slavery that takes place in the supply chains of which we are a part. We recognise the practice of modern slavery is insidious and not always easy to identify in supply chains outside our direct control, which is why we take a risk-based approach to identify supply chains most likely to be affected.

InfraBuild's demonstration of the steps we are taking in respecting human rights in both our operations and our supply chain is addressed in our annual Modern Slavery Statement.



InfraBuild's Modern  
Slavery Statement




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It just makes  
**SENSE**



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