

Sustainability Campaign Adds Solar to Seven City Buildings

CHALLENGE

Integrate solar onto seven council buildings while maintaining aesthetic integrity

SOLUTION

Use the Enphase System to easily monitor each distributed energy source, guaranteeing maximum production

RESULT

A combined 113.5kW of Enphase technology. Safety and reliability promise peace-of-mind



“Our goal of preserving the Town Hall’s aesthetic integrity was never a problem with Enphase technology.”

— Huon Hoogesteger,
CEO & Founder,
Smart Commercial Solar

In the midst of an award-winning global sustainability campaign, the City of Yarra added multi-sized solar systems to the roofs of seven public buildings. For the buildings’ historic and challenging roofs, solar energy provider Smart Commercial Solar trusted Enphase for the city’s every need.

Town Hall Revamps with Solar

Complying with the city’s sustainability campaign, City of Yarra enlisted Smart Commercial Solar to help bring solar to buildings throughout the municipality. While the majority of systems are small in size, ranging from 1.5kW to 15kW, Richmond Town Hall—the jewel in this project’s solar crown—showcases a 70kW system.



The all-AC approach of Enphase microinverters made them the safest option for the site's buildings, ensuring no hazardous wiring or cables would be exposed to the public.

The system on Richmond Town Hall proved to be the most challenging for Smart Commercial Solar to design. Luckily, their choice of Enphase technology saved them from the problems that would have ensued with string inverters.

"At Smart Commercial Solar, we have a performance guarantee that we issue with all our sites to optimise savings for our customer. Performance, especially on a challenging roof, is our most important consideration. That's why we made an affirmative decision to use Enphase," said Huon Hoogesteger, Director of Smart Commercial Solar.

"The roof's imperfect nature required us to install panels in odd locations and orientations that would have been extremely difficult to do with traditional inverters," added Hoogesteger. "Enphase microinverters were flexible enough for us to arrange the system to fit the roof's available space."

The town hall is an iconic historic building located a couple of kilometers from the centre of Melbourne, so aesthetics were also important. The design flexibility offered by the Enphase System allowed Smart Commercial to maximise the size of the array while minimising its visibility.

INSTALLATION SUMMARY

Client **City of Yarra**
Location **Melbourne, Australia**
Completion Date **October 2014**
Installer **Smart Commercial Solar**
System Size **113.kW**
Microinverters **Enphase M215**
Modules **Trina 250**

Support When You Need It

Enphase's technical team provided excellent on-site support that helped guide Smart Commercial Solar on the best way to accommodate the project's many obstacles.

But that's not all. Using Enphase offers both the installer and their end customer support even after the project's completion. The Enlighten platform gives Smart Commercial Solar panel level monitoring that helps them track each individual system's performance, while MyEnlighten gives City of Yarra insight into their overall energy production and savings.

About Enphase Energy

The Enphase System revolutionises solar power generation with industry-leading technology innovation. Enphase's proven microinverter technology maximises production of each module, which works together with advanced communications hardware and an intelligent software platform to deliver a reliable, high-performance solar array.

Learn more about the benefits of the Enphase System.
Visit enphase.com/commercial