

**20-40% LOWER FUEL CONSUMPTION**

**10KG PER-HOUR REDUCTION  
IN CARBON DIOXIDE EMISSIONS**



**BENEFITS**

Apart from the hybrid system, the HB205-1 and HB215LC-1 machines are basically the same as Komatsu's conventional 20-tonne excavators, the PC200-8 and PC200LC-8.

They offer equivalent performance (ie same breakout forces and operating speed) to the conventional 20-tonne Komatsu excavators and are operated in the same manner.

**Reduced fuel consumption**

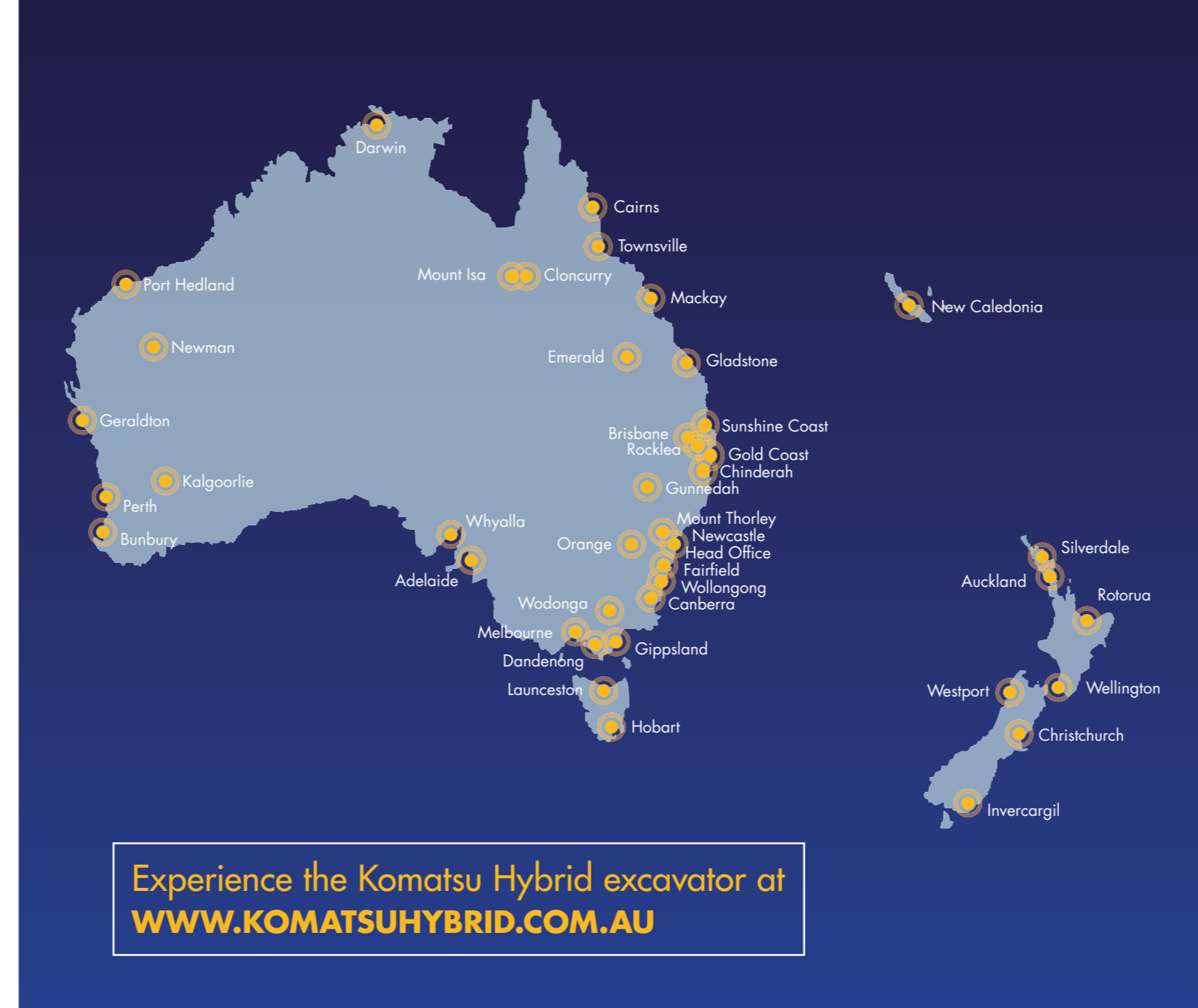
The hybrid system allows for an average 25 per cent reduction in fuel compared with the conventional

excavator, with up to a 40 per cent reduction achievable depending on the application.

The engine acceleration assist function also allows for the use of a smaller engine, contributing to fuel-saving operation.

**Reduced CO<sub>2</sub> emissions**

The hybrid system enables an average 25 per cent reduction in CO<sub>2</sub> emissions compared with the conventional PC200-8 and PC200LC-8 excavator – which equates to approximately 10kg less CO<sub>2</sub> produced per working hour.



Experience the Komatsu Hybrid excavator at [WWW.KOMATSUHYBRID.COM.AU](http://WWW.KOMATSUHYBRID.COM.AU)

Komatsu operates 82 branches and contract sites, including 300 mobile service vehicles in Australia, New Zealand and New Caledonia making it the largest factory-run equipment supplier in the region.

These facilities are supported by a national network of service partners in New Zealand and New Caledonia, meaning you're never far from product, service or spare parts support no matter how remotely you are located.

Or contact the **Komatsu Customer Support Centre** on **1300 566 287** (in Australia) or **0800 566 287** (New Zealand) **24-hours a day, 7 days a week.**

For more information on Komatsu's hybrid excavator contact:

- QLD** Phil Atley M: 0419 742037
- NSW** Matt Watton M: 0417 218247
- VIC** John Tannahill M: 0417 313031
- SA** Sean Candy M: 0419 524271
- WA** Andy Mullins M: 0400 036337
- TAS** Tim Freestone M: 0419 132024



**KOMATSU HYBRID  
EXCAVATOR**

**WORLD-FIRST HYBRID TECHNOLOGY**



**THE FUTURE OF  
EARTHMOVING**



## Dear Customer

Komatsu Australia has changed the face of the construction equipment industry with the launch of the world's most technologically advanced earthmoving machine – the groundbreaking Hybrid Excavator.

As the world's first commercially produced hybrid earthmoving machines, the HB205-1 and HB215LC-1 excavators combine a state-of-the-art energy recovery system with a smaller-capacity diesel engine, making the Hybrid Excavator the most environmentally sustainable machine in its class.

It has been met with critical acclaim in overseas markets where it has demonstrated an overall reduction in fuel consumption by up to 41 per cent compared with conventional equivalents. The regenerative-hybrid system significantly reduces CO<sub>2</sub> emissions.

The current political and social climate is one where the media and public are increasingly demanding tangible improvements in the way industry and the environment co-exist.

Developers of major infrastructure projects – particularly those under government control – will need to demonstrate measures that efficiently reduce the environmental impact of these projects.

Komatsu is calling upon government bodies to promote the use of environmentally sustainable equipment in major developments – and to be leaders in the adoption of hybrid technology as part of the solution.

We've developed a dedicated website for the launch of our Hybrid Excavator – [www.komatsuhybrid.com.au](http://www.komatsuhybrid.com.au).

Please take the time to explore the site, watch the machine in action and review the benefits this trailblazing technology will deliver to the world.

Sincerely,

**Sean Taylor**

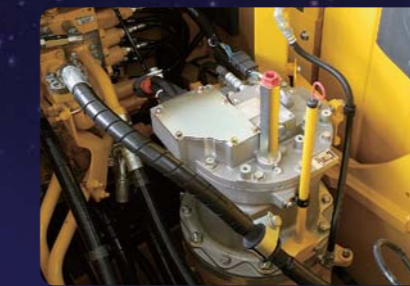
Managing Director  
Komatsu Australia Limited

# HOW THE HYBRID WORKS



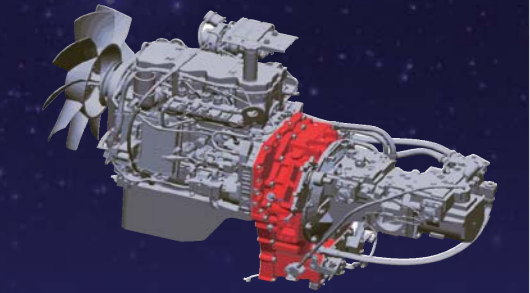
## Electric motor

Drives the swing function and then acts as a generator to recover energy during the slow-braking phase.



## Main generator/motor

Creates electricity to power slow function and assist diesel-engine performance when required. The generator quickly brings the capacitor to a charged state, ready for work.



## Komatsu ultra capacitor

Provides fast energy storage and instantaneous power transmission.

## Inverter

Provides rapid DC to AC and AC to DC conversion.



## Komatsu 138HP four-cylinder diesel engine

Hybrid technology means the engine can be downsized from six to four cylinders to save fuel and reduce emissions.

Regenerated energy can assist the diesel engine, via the generator, during high-power demands for work equipment.

