

# PYROCAL

## CARBON REMOVAL, DELIVERED.

### ABOUT PYROCAL

Pyrocal is an Australian-owned and operated engineering company designing and manufacturing industrial-scale biochar production systems using continuous carbonization technology. Pyrocal has invested heavily in research and development over the past nine years to optimize the system to recover energy, and produce biochar from agricultural and forestry waste biomass and biosolids.

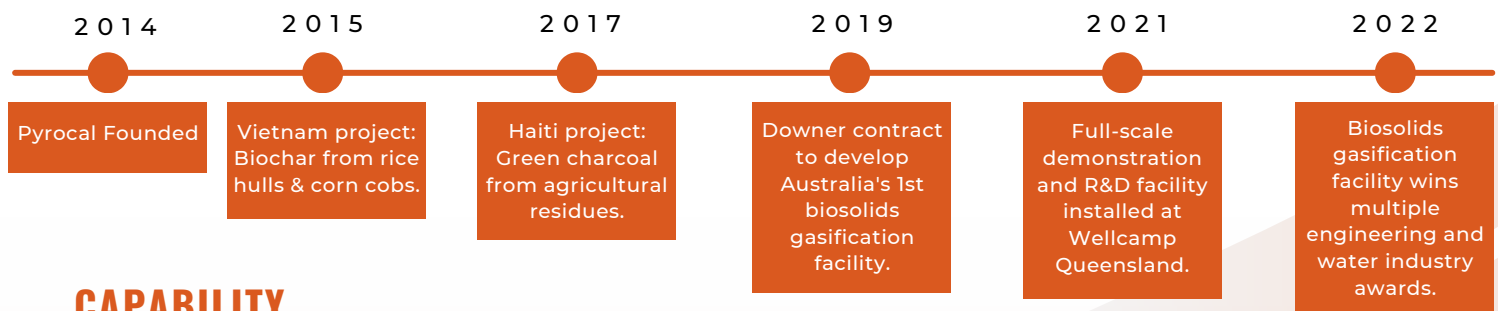
Our highly experienced team work closely with clients, wherever they are in the world, to analyze their feedstock, site specifications, environmental regulations and operating conditions. We also support developing the business case, to ensure that each system that leaves our facility is optimized to achieve our clients' goals.

We are uniquely positioned to run full-scale trials at our demonstration plant at Wellcamp in South East Queensland, where we also produce and sell biochar from nutshell waste and generate carbon offset credits that are certified by the world's leading platform for engineered carbon removal, Puro.earth.

### MISSION

Pyrocal is deeply committed to supporting our clients and communities to realize the benefits of engaging in the circular carbon economy.

### MILESTONES



### CAPABILITY

The Intergovernmental Panel on Climate Change has assessed biochar as a leading carbon removal technology with the potential to remove 2.6 billion tonnes of CO<sub>2</sub> per annum. Pyrocal is one of the few, proven industrial-scale biochar production system manufacturers in the world.

#### Pyrocal CCT System Benefits

- ✓ Designed to meet clients' specific requirements
- ✓ Manufactured in Australia
- ✓ Continuous biochar production for optimal efficiency and revenue
- ✓ Fully automated
- ✓ Proven capacity
- ✓ Optimized for thermal energy recovery
- ✓ Stringent emissions control
- ✓ Scalable
- ✓ Modular system enables containerized shipping worldwide
- ✓ Option to purchase outright or lease

#### Supporting Services

- ✓ Highly experienced team
- ✓ Business case development support
- ✓ Full-scale trials
- ✓ Remote and onsite technical support
- ✓ Parts supply
- ✓ Continuous development
- ✓ Upgrades and enhancements
- ✓ Environmental approvals support
- ✓ Biochar organic certification support (Australia only)
- ✓ Carbon offset credits support

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### CASE STUDY

In 2019, Pyrocal was contracted by leading integrated services provider Downer, to partner in a highly complex project to deliver Australia's first biosolids gasification facility for the City of Logan – transforming biosolids into energy and biochar. Since opening in 2022, this major infrastructure project has received multiple engineering and water awards and resulted into the following benefits to the City of Logan.

- ✓ Operational cost savings of AUD\$1M per annum
- ✓ A new revenue stream through biochar sales
- ✓ Reduction in carbon emissions of 6,000 tonnes per annum
- ✓ Reduction in environmental impact of biosolids' disposal

### TEAM

Pyrocal has built a highly experienced, multidisciplinary team with core competencies in engineering, manufacturing, agriculture, distribution, government and carbon markets, enabling us to add value at each stage of our client engagement.



**Barry Croker**  
Chief Executive Officer



**Steve Sullivan**  
Senior Mechanical Engineer



**Deric Dignon**  
Senior Process Engineer



**Manish Sharma**  
Electrical and Control System Engineer



**Emma Greenhatch**  
Communications & Carbon Markets Manager

### CONTACT US

To learn more about our Pyrocal CCT system and explore how we can support your goals, please contact us:



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