

**RioTinto**

# RenewAl™

## A cleaner start to your product lifecycle: Low CO<sub>2</sub> Aluminium



## RenewAl™ is a comprehensive package that includes:

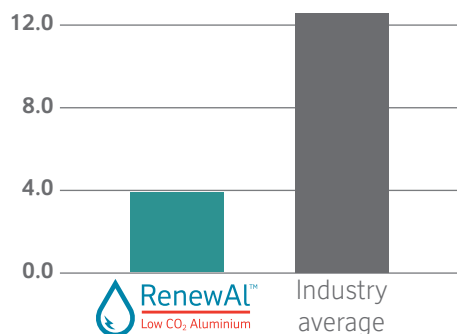
# 3

 times

lower CO<sub>2</sub>  
footprint  
with RenewAl™

### Certified CO<sub>2</sub> content 4tCO<sub>2</sub>/tAl or below

Tonnes of CO<sub>2</sub> emitted per tonne of  
aluminium produced (Scope 1&2)



### Customised services



**Certification** Third-party certified CO<sub>2</sub> emissions (Scope 1&2)



**Technical expertise** Assistance in leveraging low CO<sub>2</sub> aluminium



**Traceability** Product tracked from mine to metal



**CO<sub>2</sub> reduction strategies**  
Support to optimise your low CO<sub>2</sub> sources



**Life cycle analysis** Contribution to specific calculation on lifecycle



**Co-branding** Unique partnerships with RenewAl™

# Recycling is not enough, RenewAl™ is a cleaner start to the product lifecycle

4

tCO<sub>2</sub>/tAl

We start with a 4tCO<sub>2</sub>/tAl primary base compared to the industry average of 12.2t CO<sub>2</sub>/tAl

Primary base

+

0.6\*

+

0.6\*

=

Final CO<sub>2</sub> footprint

	4	+	0.6*	+	0.6*	=	5.2tCO <sub>2</sub> /tAl
Industry average	12.2	+	0.6*	+	0.6*	=	13.4tCO <sub>2</sub> /tAl

Aluminium made with recycled material takes only 5% of the energy to produce, however the primary base impacts in CO<sub>2</sub> footprint. For example, after recycling an automobile twice, the tCO<sub>2</sub>/tAl is 5.2, compared to the industry average of 13.4 CO<sub>2</sub>/tAl. That's three times lower with RenewAl™.

\*At every recycle process the CO<sub>2</sub> footprint is 0.6, calculated from 0.4 transformation + 0.2 transportation.

# RenewAl™ is available wherever you are

2

million tonnes

We deliver 2 million tonnes global production from RenewAl™ sites

Our advanced AP Technology™ and largely carbon free energy lie at the heart of RenewAl™, the industry's first low CO<sub>2</sub> primary aluminium.