

 Chile

# Biomass project

Providing renewable energy to a salmon oil and powder facility

<p>Emission Reductions</p>  <p><b>19,000t</b> CO<sub>2</sub>e p.a.</p>	<p>Project Technology</p>  <p><b>Renewable Energy - Biomass</b></p>	<p>Project Standard</p> 
---	--	---

Chile's natural resources for renewable energy generation are plentiful and the country aims to achieve a 70% renewable energy target by 2050. While coal has long been the traditional source of fuel for energy generation, it has to be imported making it vulnerable to supply disruptions and price fluctuations in the world market. Turning away from fossil fuels to locally available renewable sources of energy such as agricultural residues can be an important contribution to climate change mitigation.

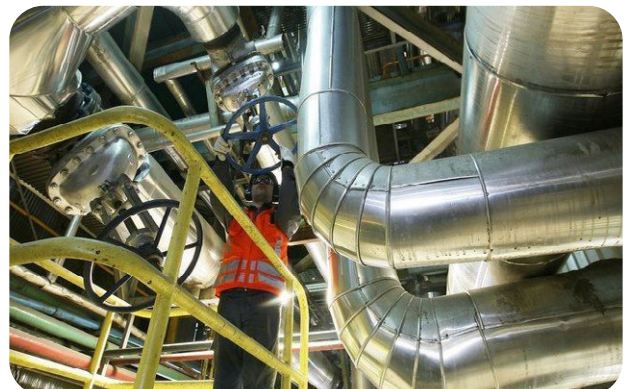
This project intends to displace the use of a coal-fired power plant and provide renewable thermal energy to a salmon oil and powder production facility using renewable biomass. It is located in the city of Puerto Montt in southern Chile at the Panitao Salmon Processing Plant. The traditional source of fuel for such fish processing plants in Chile is coal which is not only cheaper than biomass, but also requires less storage space. Before the start of the project, more than 7,500 tons of coal per year were used for steam generation in this facility. Due to the considerable investment cost of the new technology required to switch from coal to biomass, it would not have been financially feasible without the income from the sale of emission reduction credits. Thanks to the project, the boilers can be fed with agricultural residues such as saw dust, bark and wood chips from the region.

 **info** 

about project standards and technologies:  
[firstclimate.com/tech](https://firstclimate.com/tech)

**Supported Sustainable Development Goals**



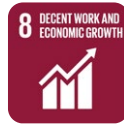


# Sustainable Development

Beyond removing carbon emissions, all our climate protection projects generate multiple additional benefits for people and the environment. These projects support the United Nations Sustainable Development Goals.



The project assists Chile's sustainable growth by providing electricity to the salmon oil and powder production facility using renewable biomass. It helps Chile reduce its dependence on imported oil and fossil fuel fired power plants.



The project produces revenue from waste products which will boost the economy. It will also create new employment opportunities for local populations.



The project demonstrates the viability of this sustainable generation technology in Chile and helps to enhance the renewable energy sector in the country.



The project deals with waste products that are usually burned in fields or left to rot, emitting methane gases in the process. By using the waste as biomass fuel, carbon and methane emissions are reduced.



The project improves local air and water quality by reducing other pollutants such as sulphur dioxide, nitrogen oxides, soot and particles associated with the burning of fossil fuels.



**Germany**  
Friedberger Str. 173  
61118 Bad Vilbel  
+49 6101 55 658 20  
badvilbel@firstclimate.com

**Switzerland**  
Brandschenkestr. 51  
8002 Zurich  
+41 44 298 28 00  
zurich@firstclimate.com

