

From waste heat to electricity with Againity's ORC systems



Same fuel in – more power out!

Againity's ORC systems convert waste heat from gas turbines to electric power.

From waste heat to electricity

When producing electricity from gas turbines, 65–75% of the fuel energy is often wasted as excess heat by the exhaust gas. The temperature of the exhaust gas is normally 350–550°C, which makes it an excellent source of energy for Againity's ORC¹ system and facilitates a highly efficient and cost-effective conversion to electric power.



Flow chart





Site layout

Againity's larger units come containerized – prepared for a fast and flexible installation. The containers make the site preparation very simple with a minimum of construction work.



located at the back of the unit makes it easy to install in narrow spaces.

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Againity is all about turning waste heat into value. We extract more power from your existing system to increase your plant's performance and cut your fuel cost – while contributing to a better environment.

Againity offers ORC systems from 50 to 2500 kWe. Installed capacity is designed specifically for each customer case and the models in the table below show examples of different power outputs and corresponding dimensions.

Installed capacity	50 kWe	100 kWe	200 kWe	500 kWe	1000 kWe	2500 kWe
Size ¹ (LxWxH)	4.1 x 1.7 x 2.5 m	4.1 x 1.7 x 2.5 m	5.5 x 2.2 x 2.5 m	6.0 x 2.2 x 2.5 m	12.2 x 2.5 x 2.9 m Size of 40 ft container	22.0 x 2.5 x 2.9 m Size of 40 + 20 ft containers
Frequence	50–60 Hz	50–60 Hz				
Weight	4.0 ton	5.0 ton	9.0 ton	12.0 ton	—	—
Voltage ²	380–415 V	380–415 V	380–415 V	380–415 V	3000-6000 V	3000-6000 V

¹⁾ The measurements are approximate and tailored according to technical conditions of each built ORC system.

²⁾ Other voltages on request.

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