


Kawasaki Green Innovation Cluster		Member Information	Management Number	Section Number	Company
Business Classification					
Business Field					
Company/Organization Information	Company Name	SHINODA Co., Ltd.			
	Company Name (EN)	SHINODA Co., Ltd.			
	President	Representative Director Atsuhiko Shinoda			
	Address	(Head Office) 2-2 Tatsutamachi, Gifu-shi, GIFU 500-8402 (Tokyo Branch) TK88Bldg., 1-45-3 Higashiikebukuro, Toshima-ku, Tokyo			
	Contact	(Head office) 058-214-3495 (Tokyo branch) 03-6192-9175			
	Capital	30 million yen			
	Employees	157			
	E-mail	<a href="mailto:tokyo@shinoda@gifu-shinoda.co.jp">tokyo@shinoda@gifu-shinoda.co.jp</a>			
	Website	<a href="http://www.gifu-shinoda.co.jp/en/">http://www.gifu-shinoda.co.jp/en/</a>			
	Branches/ Agencies	Japan: 5 offices (Gifu, Tokyo, Yokohama, Kyoto, Fukuoka) Overseas: None			
Business Activities, Messages and Others	Business Activities	<p><b>【Head Office】</b> Sales and repairment of civil engineering materials/construction machinery, civil engineering work, steel construction, painting work, electric construction, landscaping construction.</p> <p><b>【Environment Division】</b> Sales and proposals for environmental products/ renewable energy systems. Sales of disaster-prevention goods. ☆ Domestically, we propose environmental products/energy conservation systems utilizing state-of-the-art technology from foreign countries (such as Germany). These systems make use of the characteristics and power of nature, and are used to support the creation of communities where locally produced goods are consumed locally.</p>			
	Message/ Other	<p>(Request for Collaboration)</p> <ul style="list-style-type: none"> <li>· Wood chips required for our gasification power system need to be pre-dried when they have the high moisture. We are hoping for proposals from a company that has a good chip-drying equipment.</li> <li>· We are also looking for assistance in design and engineering related to installing a water wheel for small-scale hydraulic power generation, including waterwas, pipings, and controls.</li> </ul>			
	Examples of Products	<p>Wood biomass gasification power system ORC (organic Rankine cycle) waste heat power generation Small hydropower system Wooden soundproof wall Mobile and portable solar power system Wind power system Other disaster prevention goods (compact &amp; portable small hydraulic power generator, "elevator chairs" containing emergency supplies, portable water purifier, storage battery)</p>			

Kawasaki Green Innovation Cluster Product/ Technology Information		Management Number	Section Number	Company
Business Classification				
Business Field				
Company Name		SHINODA Co., Ltd.		
Product/Technology		Wood biomass gasification power system <Kuntchar HGK 150>		
Overview of Product/Technology	Features	Small scale gasification power system using wood chips as a raw material. The required amount of dry wood chips is 880 tons per year, which means that electricity (150 kW/h) and heat output (265 kWth / h) are generated by inputting chips of 110 to 150 kg/h.		
	Keywords	1. Environment: Effective utilization of wood chips, CO2 reduction, forest maintenance. 2. Economy: Electricity sales (FIT), cost reduction, easy maintenance 3. Other effects: Revitalization of forestry, creation of employment, circulation of regional economy		
	Price	150 million yen/unit		
Detailed Information about Product/Technology	Details	Complete system (wood chip dryer, gasifier, gas filter, cooler, gas engine, exhaust gas heat exchanger, generator)		
	Capabilities	Electric output 100 to 150 kW / h Heat output 265 kWth / h		
	Cost	Running costs (chip purchase cost, maintenance fee, replacement parts fee, personnel cost, ash treatment cost, operating electricity etc.)		
	Life cycle	It is necessary to replace parts as needed after the prescribed operation time, in addition to regular maintenance.		
	Remarks	A third-class electric chief engineer is required		
	Pictures relating to products and technologies			
Advantages	Patent and award history	Patent, TÜV certification		
	Example of use (Domestic and overseas)	23 units are in operation in Italy and Germany		