

Kawasaki Green Innovation Cluster Member Information		Management Number	Section Number	Company
Business Classification		Energy saving and Management		
Business Field		Development, manufacturing and sales of power supply system, information communication equipment, and control system equipment etc.		
Company/Organization Information	Company Name	株式会社高砂製作所		
	Company Name (EN)	TAKASAGO,Ltd.		
	President	Norihiko Uesugi		
	Address	1-24-16 Mizonoguchi, Takatsu-ku, Kawasaki-shi, Kanagawa, 213-8558 Japan		
	Contact	TEL:+81-44-833-2431 FAX:+81-44-833-8890		
	Capital	120 million in Japanese Yen		
	No. of Employees	207 (as of 7 January 2019)		
	E-mail			
	Website	<a href="http://www.takasago-ss.co.jp/">http://www.takasago-ss.co.jp/</a>		
	Branches/ Agencies	Japan 6 offices Overseas None		
	Business Activities, Messages and Others	Business Activities	Research and development, manufacturing and sales of power supply system, information communication equipment, control system equipment, and studio equipment etc.	
Message/ Other		We contribute to the sustainable evolution and growth of society with our clients by providing solutions of freely control energy. We provide various solutions for zero emissions and save our clients' time for testing.		
Examples of Products		<ul style="list-style-type: none"> <li>· IPMS (multi-source control device)</li> <li>· Battery charge / discharge system</li> <li>· Semiconductor device durability cycle test machine</li> <li>· Motor / inverter emulation system</li> <li>· Power supply products for experiments and research</li> </ul>		

Kawasaki Green Innovation Cluster Product Technology Information		Management Number	Section Number	Company
Business Classification		Energy saving and Management		
Business Field		Development, manufacturing and sales of power supply system, information communication equipment, and control system equipment etc.		
Company Name		TAKASAGO,Ltd.		
Product/Technology		Regenerative bidirectional power supply system		
Overview of Products/Technologies	Features	It can be used for PV emulation, storage battery emulation and charge / discharge test of storage batteries. It contributes to realize green factory by efficient use of the energy in factory with re-use of power implemented by our power regeneration technology, while the test such as discharging of storage batteries.		
	Keywords	Power regeneration technology and Bi-directional power control technology		
	Price	3.5 million in Japanese Yen per unit		
Detailed Information about Products/Technologies	Details	Power capacity: 10 kW. It is enable to upgrade 200kW by adding additional units.		
	Capabilities	Power efficiency is 85% or more.		
	Cost			
	Life cycle			
	Remarks	Periodic inspection and maintenance are required for operation.		
	Pictures relating to products and technologies	<p>《Power regenerative bidirectional DC power supply unit RZ-X》</p> <p><b>Conventional</b>      充電試験のコストがかかる      高圧電源 充電機      発熱      電子負荷      電子負荷からの放熱（発熱）を二次電源コンデンサなどで冷却する必要は少ない。      電力の容量が大きくなる、負荷消費に課題が...      ・電カムが...している、空調コストもかかる。</p> <p><b>電力回生効率：約85%以上</b>      AC200V3相 充電 放電      発熱小      空調機が小さくなる      二次電源コンデンサなど      A Cラインに電力回生      負荷として吸収      負荷電力をACラインに戻すため、発熱、電力量を抑えられる。      また、発熱が少ないため、空調設備のコストを大幅に削減</p>		
Advantages	Patent and award history			
	Examples of use (Domestic and overseas)	The products have been supplied to major automobile maker and major electronic parts manufacturers.		