

# **JEHIN'S SOLAR** **HYBRID HEAT RECOVERY BUSINESS**

- **Research & Product Development;**
- **Product Engineering & Manufacture in ROK;**
- **Hybrid Renewable Energy System “Design and Build” (ROK & International);**
- **Patented on-line Solar System monitoring & servicing;**



# JEHIN'S MANUFACTURING SCOPE:

We engineer, & manufacture all solar componentry for full system designs: Premium residential housing to full Commercial Facilities & multi-MW Solar Hybrid District Heating.

Over 800 installations completed up to 1,000+ square metres each since 1989.

Patented hydraulic controls optimize system efficiency for **trouble-free** peak summer heat & sub-zero winter freezing.



# JEHIN'S EXPERTISE

## CUSTOMER OPTIMIZED SOLAR



ROK PROJECTS COMPLETED	Collector(sq.m)
Valence Sports Center	2,550
Mire Hospital	1,056
Korea District Heating Corp	1,000
Buyo Elderly Center	780
Olympic Center	702
Samgak High School	640
Jungsung Catholic Church	100
Gochang Youthtel	360
Gunpo Elderly Center	220
Taegu Technical Center	200
Jung-Ang University	268
Jung-up Welfare Center	200
Ora Golf Club	223
GangWha High School	340
Gang-Iy Elementary School	184
Paju Outlet	170
Chonju Welfare Center	184
Gimhae City Sports Center	517
Gimje Welfare Center	243
Diocese of Jeonju	456
Chung-Ang University	280

# MW+ Solar District Heating



Installed by Jehin with Mega-Collectors



Jehin is an approved full service M.E.P. Contractor under License from Korean Government.



# ROK GOVERNMENT'S HIGHEST CERTIFICATION THE KS( KOREAN STANDARD)

All Solar Collectors made by Jehin have achieved the unique Korean Standard (KS) Certification.

Also, Korean Energy Management Authority certifies that Jehin's JHC collector has the #1 efficiency in Korea.

This is constructed by ultra-sonic welding of a selective coated absorber plate, made by the CerMAT sputtering method.



KIER (Korean Institute of Energy Research) has co-operated with Jehin to develop a proprietary solar software tool : iSolis to design integrated hybrid thermal Systems with Trnsys, RET Screen, etc

## ROK Corporate & Institutional Clients :



# CREATIVE INNOVATION AWARDS

1. This new concept for integrated solar collectors for high rise condominiums has the absorber plate fixed within the window glazing.



2. This new concept for “Plug & Play” integrates thermal Ballast with variflow controls for “same day” installation, switch-on & commissioning to maximize client benefits.



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## **Solar District Heating Plant in Marstal, Denmark**



## **GLOBAL PROJECTS CONTACT:**



Please email your details listed as below:

\*Name/Address:

\* Email:

\* Company :

\* Phone:

Direct Line International:

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Fax : +82-2163-0206

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Attn: Jehin Global Energy Ltd.  
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Email: [dwilton@jehin.co.kr](mailto:dwilton@jehin.co.kr)  
[godavid888@gmail.com](mailto:godavid888@gmail.com)

PROJECT NAME: \_\_\_\_\_

LOCATION: \_\_\_\_\_

- NEW BUILD : \_\_\_\_\_
- RETROFIT : \_\_\_\_\_
- NO. OF BUILDING FLOORS: \_\_\_\_\_
- SANITARY HOT WATER LITRES/DAY @ 60C: \_\_\_\_\_
- SANITARY COLD WATER LITRES/DAY: \_\_\_\_\_

SPECIAL COMMENTS/REQUIREMENTS:

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## **MAIN PROJECT AREAS:**

East Asia: Korea South to Singapore/Indonesia  
Oceania: Australia, Pacific & Indian Ocean Islands  
West Asia: Middle East & N. Africa

System Capacity Range: 10,000Litres through 680,000 litres/day.