

# Heating/Cooling&DHW, LinkedGo smart HVAC system

─Better Home Better Life



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#### LinkedGo introduction



LinkedGo is a professional supplier of Smart HVAC products providing OEM/ODM/IDM service. We focus on the development and manufacture of smart home products including smart heat pump, smart thermostat, smart energy center, APP, PC management system and cloud service.



LinkedGo has over 10 years of experience in the HVAC industry, advanced hardware and software technology.



LinkedGo combined the Al technology and HVAC system. With the IOT, machine learning and centralized control technology, we linked all the system of air, water, cooling and heating system, to provide a package solution of residential comfort system, for a better life of the global people.



#### **Development Path**



2017

LinkedGo Start up in Canton



2018

Initial Smart HVAC system to market (thermostat & hydrolic) 2019

Cooperation with
HVAC
manufacturing
factory in software
and
hardware(York
TongFang PHNIX)

2020

Whole house comfortable smart HVAC system and become the high-tech enterprises



2021

R32 & R290 heat pump R&D

2022

Heat pump and control system ODM/OEM export to Europe

2023-2025

Complete the Europe market building and development of ground source heat pump



#### What is the positioning and difference of LinkedGo?

Focus on HVAC

**Smarter** 

System

**Energy saving** 

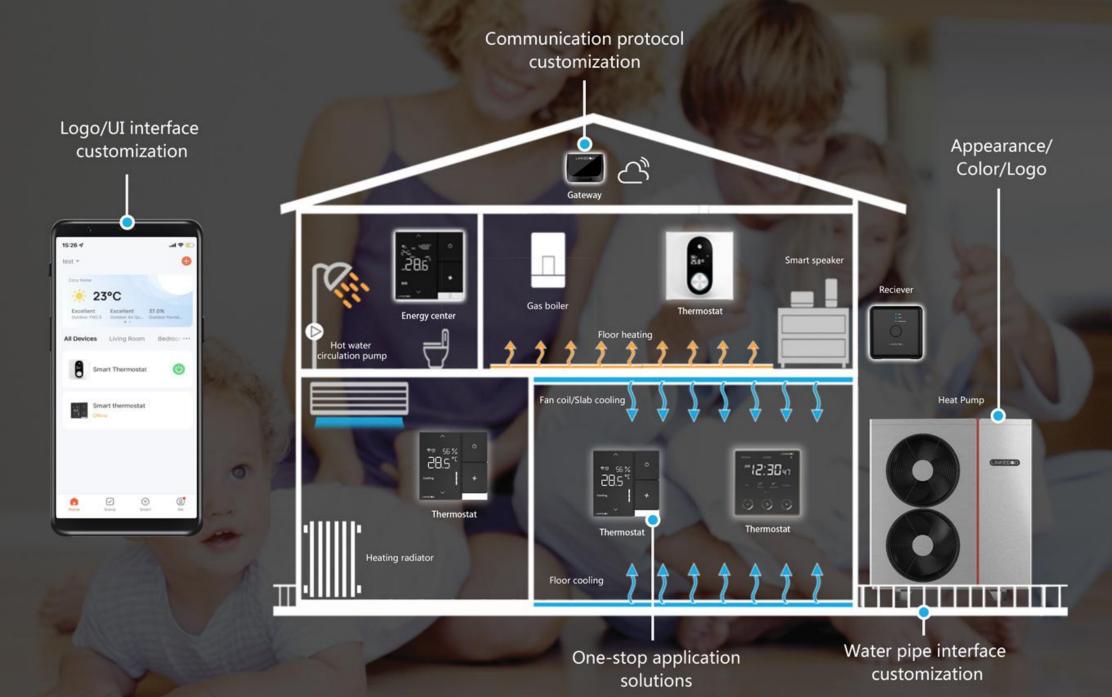
Comfortable

. . . . . . . .

One-stop application solutions for HVAC and Link all the devices to make them go smoothly



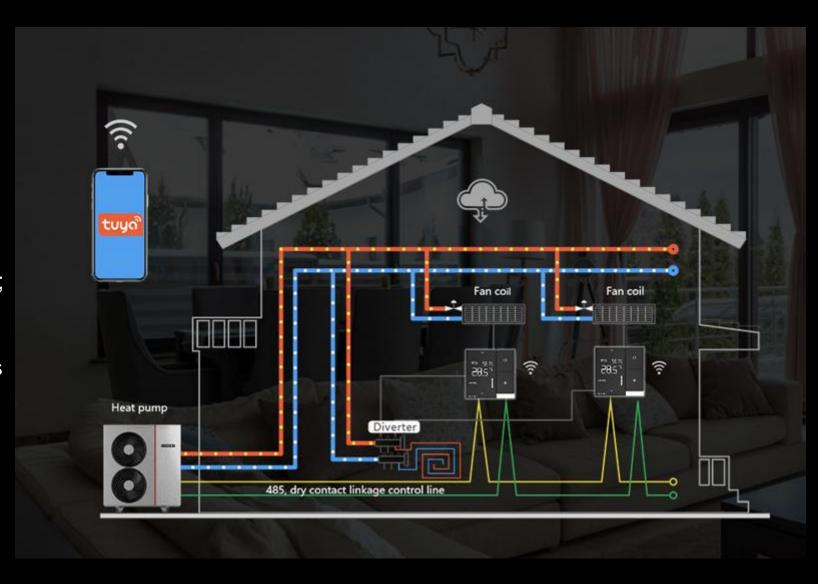




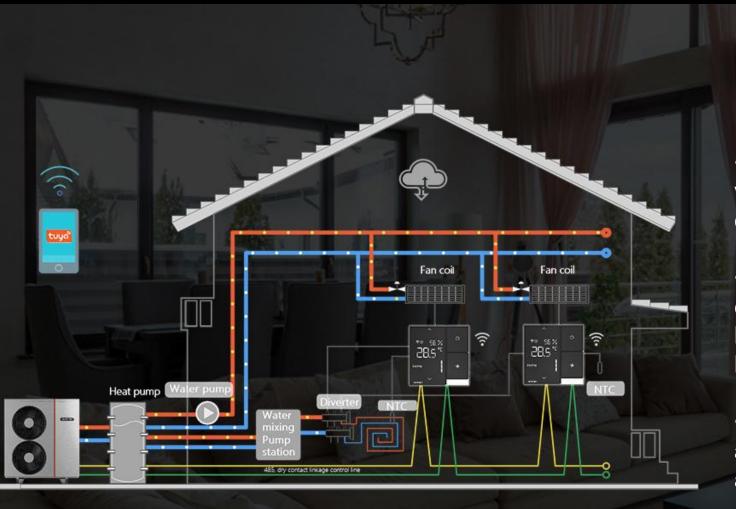




- •For all major DC fan coil brands on the market;
- Dry contact & Modbus 485, remote & voice control, APP timing & scene setting;
- •Zone control: according to the nature of the use of different rooms and user habits to set

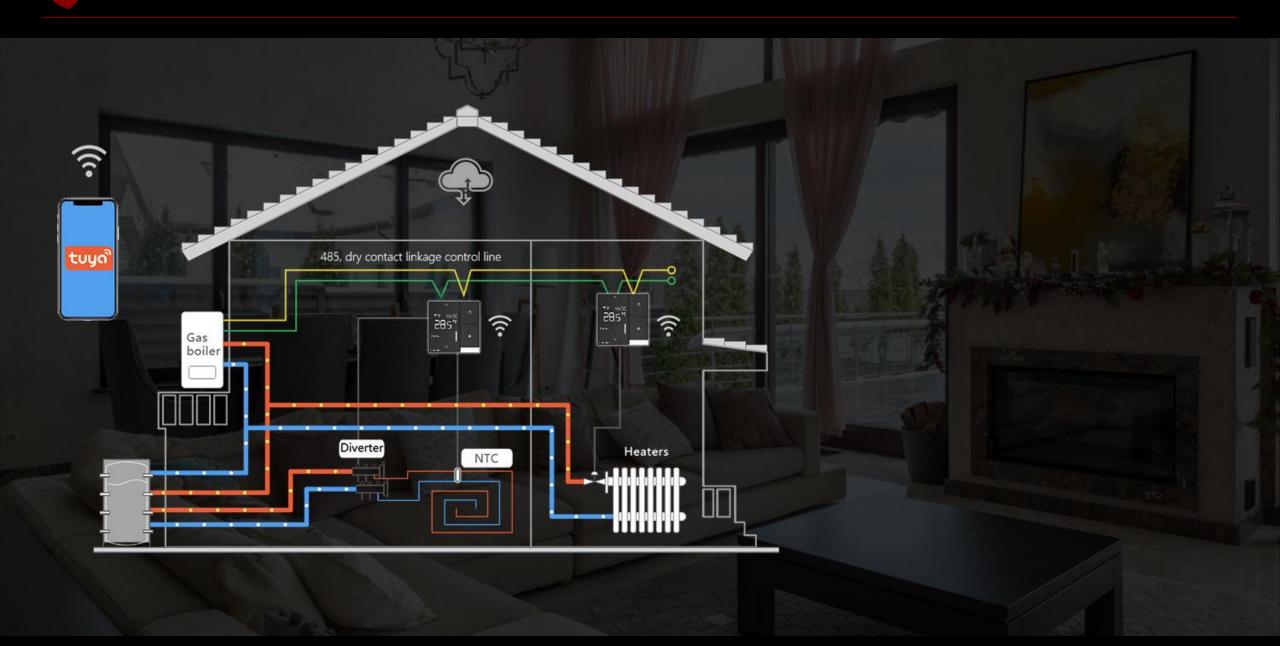






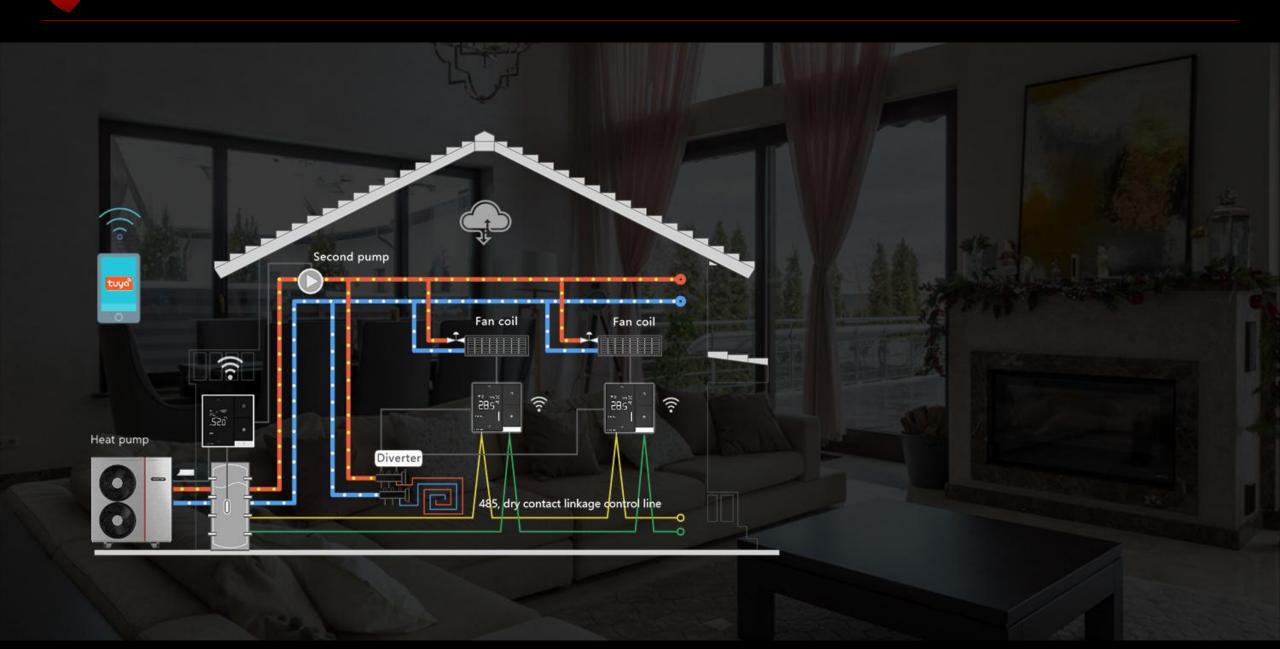
- •Dry contact & Modbus 485, remote & voice control, APP timing & scene set control, temperature and humidity display
- •Three cooling modes (top cooling, floor cooling + top cooling, floor cooling) Three heating modes (floor heating, floor heating & fan coil, fan coil)
- •Built-in temperature & humidity sensor and external sensor (NTC) panel with anti-condensation function





#### Smart HVAC system application—Secondary pump system



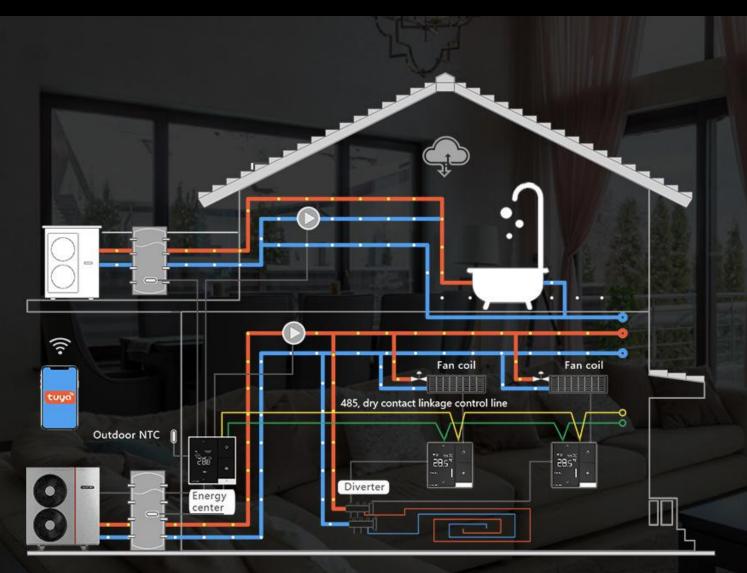


### Smart HVAC system application—Hot water system







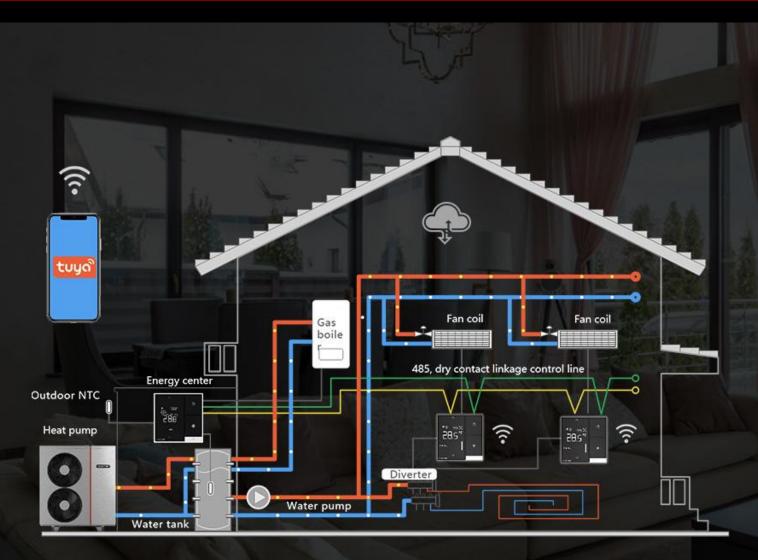


center control of heat pump systems and hot water circulation pumps at the same time;

- Wired linkage of secondary systems
- •App timer to run the hot water cycle before the daily water peak hours to ensure instantaneous heating when water is used
- •The hot water circulation pump runs intermittently during the cycle and supports customised pump start and stop times
- •External NTC for constant temperature

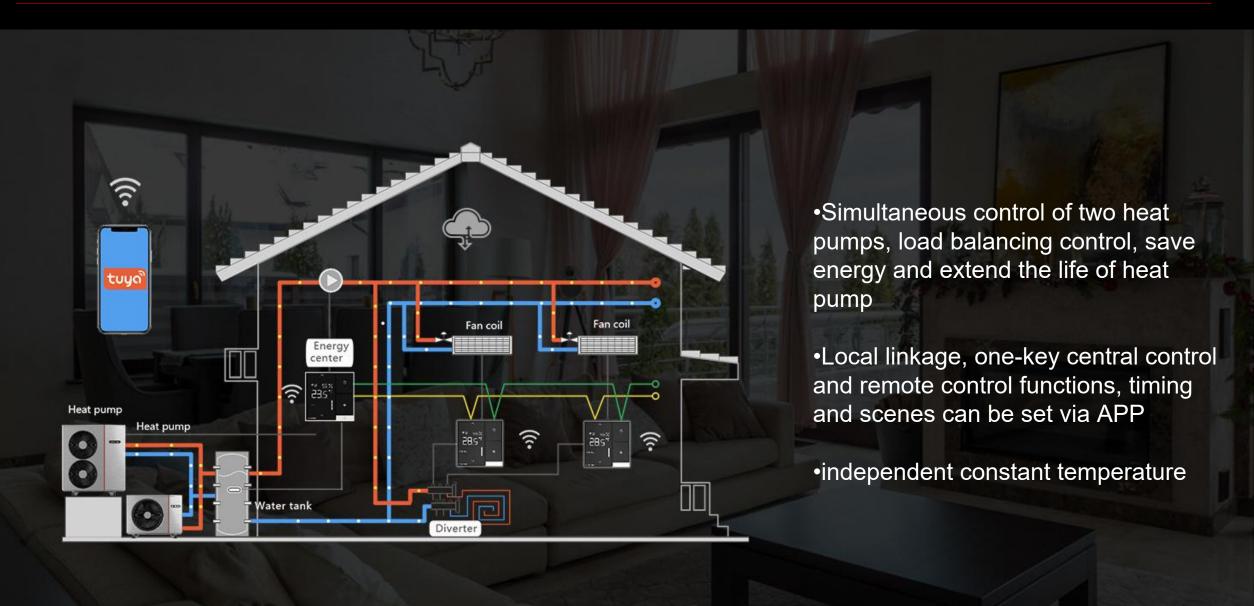
#### Smart HVAC system application—Auxiliary heating

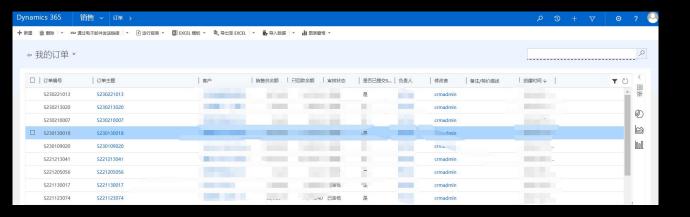




- •For heat pump auxiliary heating systems, with simultaneous control of fan coil and floor heating
- •When the heating load is too high in cold climates, the wall-hung stove can be used as an auxiliary heat source to meet the heating demand of the system
- •Local linkage, one-touch central control and remote control, with timer and scene setting via APP
- •One-touch switching of winter and summer modes at the end, from 485 mode to dry contact linkage for host-side mode switching

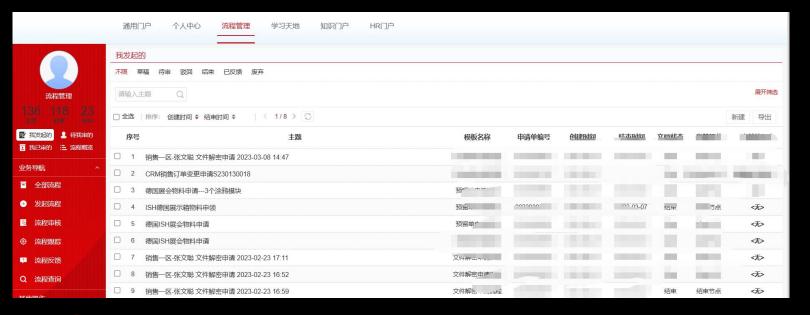








#### CRM +PLM+OA+OES



01 Digtial management

## **Production Capacity**



- With 3 production bases, the daily production capacity can reach more than 1,600 units.
- To encourage an environment-friendly society, LinkedGo offices have fully installed the PV panel for power generation.



## **Production Line**



- 10 production lines in Dagang factory.
- Flexible production arrangement. LinkedGo will adjust manufacture process according to customers' requirement.







## **Factory Automation**









## **Testing Process**









#### **Production Line Test**

- Leakage test
- Electric safety test
- Running test

#### **Field Test**



### **Incoming Inspection**

- RoHS
- QUV
- Salt Spray test
- Temperature & humidity test
- High temperature test
- Pressure test.

#### **Random Test**







## **Laboratory Display**



#### 22 Labs

LinkedGo focuses on product research and quality control through laboratory testing to ensure the improvement of product quality



Extreme Low Temperature & High Humidity Lab

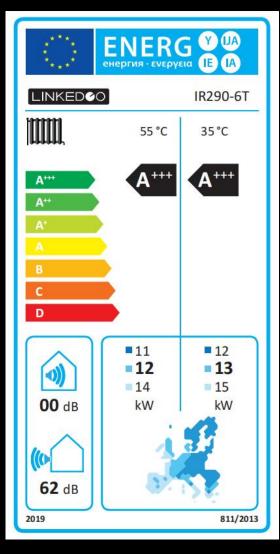


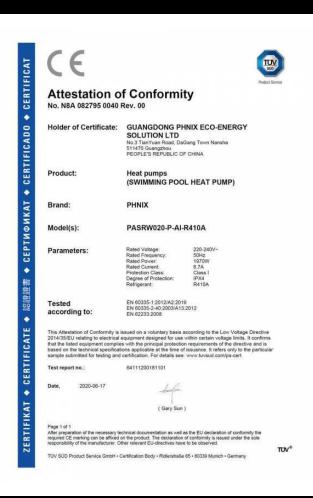
Noise Lab



Working Condition Lab











**ERP** certification

**CE** certification

SAA certification SGS certification

#### LinkedGo Certification



#### intertek

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This authorizes the application of the Cartification Mark(s) shown below to the models described in the Product(s). Covered section when made in accordance with the conditions set forth in the Cartification Agreement and Listing Report. This authorization also applies to multiple lister model(s) identified on the correlation page of the Listing

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for L. Matthew Snyder, Certification Manager



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	Telephone 000-010-001 of 011-100-001 Tax 012-200-1012
Standard(s):	Heating And Cooling Equipment <expires: 01jan2024=""> [UL 1995:2011 Ed.4 +R:03Oct2014]</expires:>
Standard(s):	Heating And Cooling Equipment <expires: 01jan2024=""> [CSA C22.2#236:2011 Ed.4]</expires:>
Product:	INVERTER SWIMMING POOL HEAT PUMP
Brand Name:	PHNIX
Models:	PASRW030-P-BP2, PASRW035-P-BP2, PASRW040-P-BP2, PASRW050-P-BP2

ATM for Report 191021037GZU-001 Page 1 of 1 ATM Issued: 21-Jan-2020







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Särkiniementie 3 P.O. Box 30

FIN-00211 Helsinki, Finland Date: 2012-12-20

#### LinkedGo patents





证书号第3089846号





#### 发明专利证书

发 明 名 称: 多组机组错开进入预设状态的控制方法

发 明 人: 艾志永;方源徽;刘远辉;高翔

专 利 号: ZL 2016 1 0613757.7

专利申请日: 2016年07月28日

专 利 权 人:广东芬尼克兹节能设备有限公司

也 址: 511470 广东省广州市南沙区大岗镇天元路 3 号

授权公告日: 2018年09月28日

授权公告号: CN 106196724 B

本发明经过本局依照中华人民共和国专利法进行审查,决定投予专利权,颁发本证书 并在专利登记簿上予以登记。专利权自投权公告之日起生效。

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中公布



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#### LinkedGo patents



证书号第2561702号





#### 发明专利证书

发 明 名 称:一种变频控制降低噪音的方法及地暖机

发 明 人: 王超毅:罗金星:高翔:刘远辉:刘志文:李典志

专利号: ZL 2014 1 0675726.5

专利申请日: 2014年11月21日

专 利 权 人:广东芬尼克兹节能设备有限公司

授权公告日: 2017年07月21日

本发明经过本局依照中华人民共和国专利法进行审查,决定校干专利权,颁发本证书 并在专利登记得上于以登记。专利权自校权公告之日起生效。

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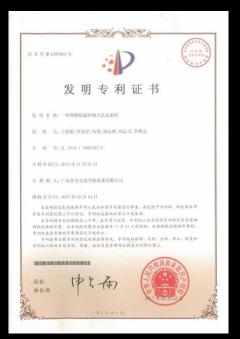
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## **House Heating + Hot Water Project**

















**Bosnia And Herzegovina** 



Belgium





## Policy support

1.Market regional priorities;

2.OEM/ODM;

3.Technical support;

Linkedgo sincerely hope the development together with all the dealers and agents, meanwhile ,we believe all of us will be better and better in the near future!



## THANK YOU!