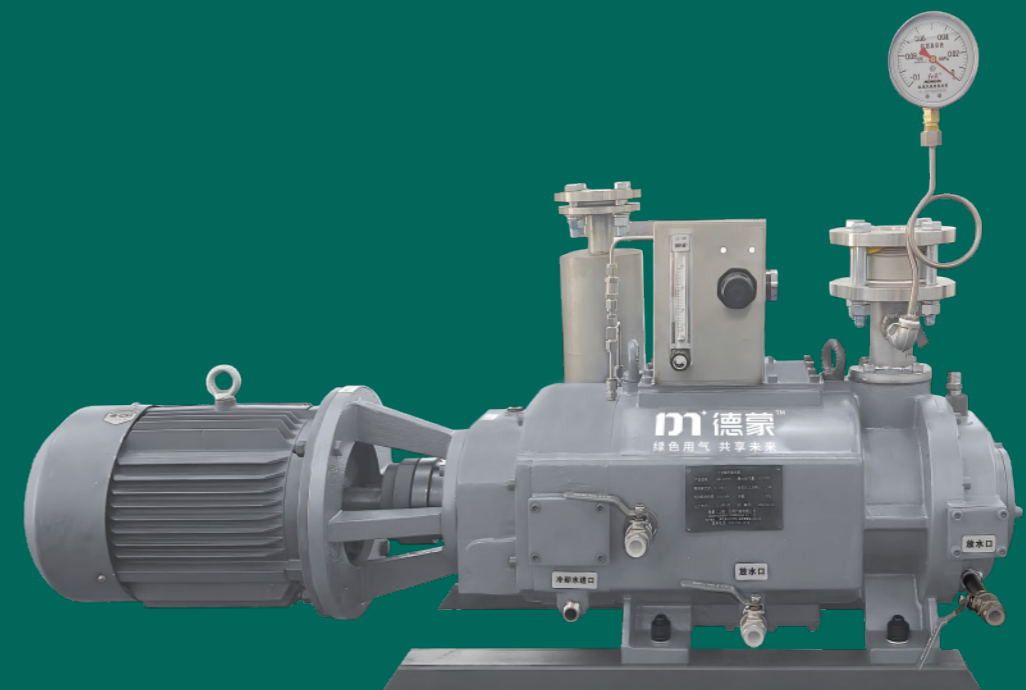


# Vacuum Pump Series Products



**Dream (Shanghai) Compressor Co.,Ltd.**

International Sales & Operation Center: Room 316, 3rd Floor,  
Building 1, Lane 288, Rongxing Road, Zhongshan Street, Songjiang District, Shanghai, China

Manufacturing Center No. 916, Chuangzhi Road, Xindai Town, Pinghu City,  
Jiaxing City, Zhejiang Province, China

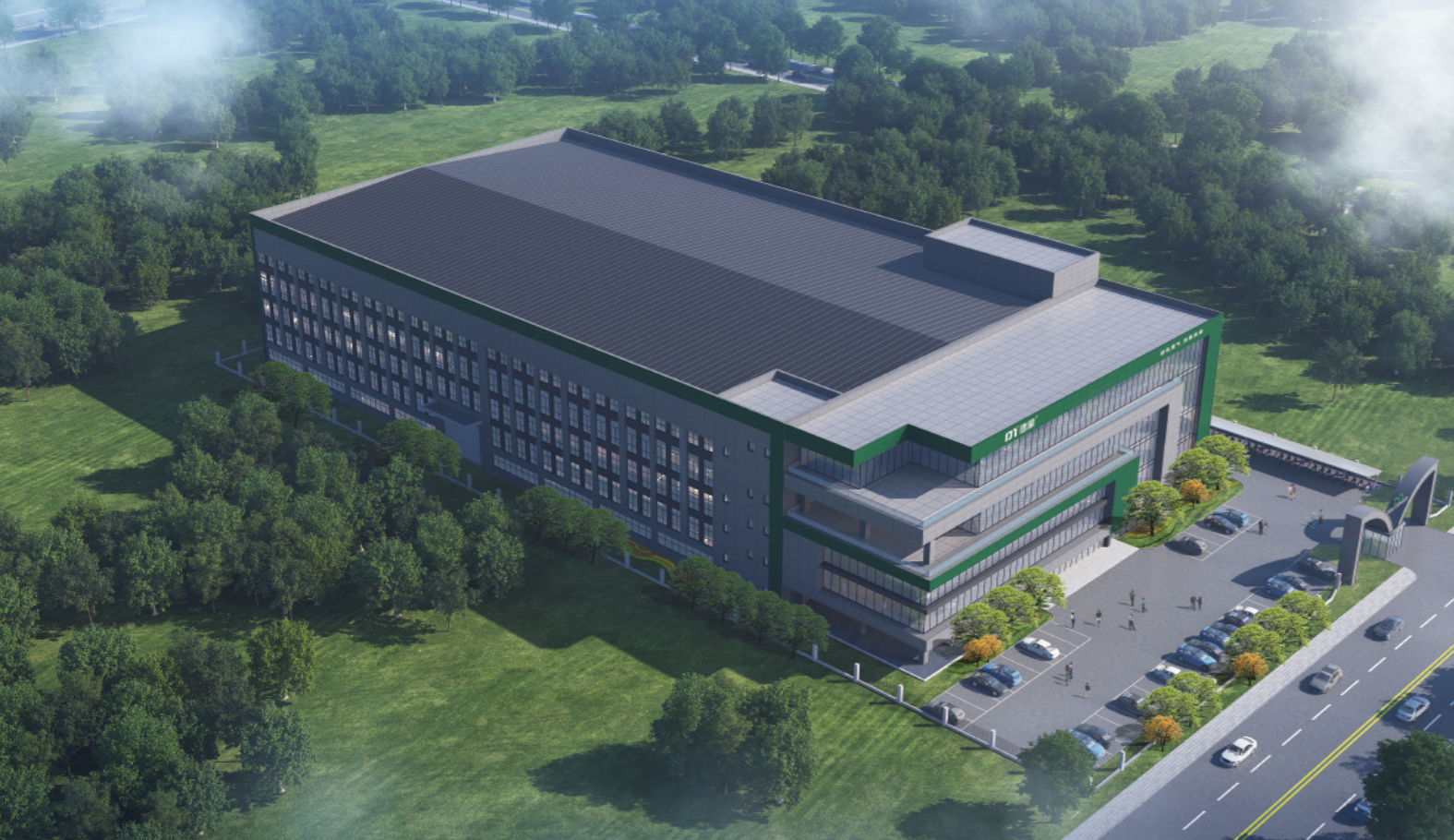
86-13671551445  
sales@dmcomp.com



www.dreamcompressor.com  
www.dmcomp.com

Dream(Shanghai) Compressor Co.,Ltd.





## ABOUT DREAM

 **45000** m<sup>2</sup>  
factory area

 **100+** 项  
Invention patents and honors

 **20+**  
Regional branches/subsidiaries

Dream (Shanghai) Compressor Co., Ltd. which established in Shanghai in 2011. It is a company specialized in designing, manufacturing and marketing of air compressors, A high-tech enterprise to offer system solutions. It has won honors such as Shanghai Brand Cultivation Demonstration Enterprise, special new enterprise, energy-saving equipment contribution enterprise, high-tech achievement transformation project, etc. The products are used widely in new energy, chemical industry & chemistry, Electronics, textiles, brewing mill, laser cutting, medicine & food and other fields. Since its establishment, Dream has R&D the application of air compressor system related technologies continuously, strictly abide by the ISO9001 quality management system, ISO14001 environmental management system, ISO45001 occupational health and safety management system standards, ensure that various processes are closely synchronized with international standards. We set up a professional R & D center to meet the demand and application conditions of different application clients worldwide. Based on concepts of stable, energy-saving, clean, efficiency, simple operation & maintenance, DREAM insists on developing based on market demand and innovation. The company invests 10%-15% of its profits every year into R&D and the upgrading & optimization of products. Innovation is main driver for DREAM grow up. As manufacturer supplier of Air compressor system solutions, Our service cover client requirement analysis, site investigation, technical solution design, and project cost analysis, non-standard solution customization, solution demonstration and promotion. we provide exclusive compressed gas solutions based on project needs.

After development for 14+ years, Dream has always adhered to the enterprise spirit of "One heart One Dream, striving for excellence", constantly innovating and pursuing excellence. Dream people continue to explore and innovate to meet customer needs and provide users with better products and service. Based in China, Dream's products has exported to worldwide countries successfully, mainly market as South Asia, South East Asia, Europe, Africa, South America, North America, and CIS countries, footprints all over the world. Its excellent product performance and efficient service concept continue to create value for users.

Dream will be always your trust partner. We believe that you will experience our high-quality products and professional services, by working with us. Welcome to pursue dream and create better future with DREAM together!

## DREAM CULTURE



### Vision

To become the industry's most competitive vacuum technology and gas compressor solutions provider



### Mission

Give users more worry free Sustainably save energy and gas



### Value

Concentric shared dream professional focused co-created shared

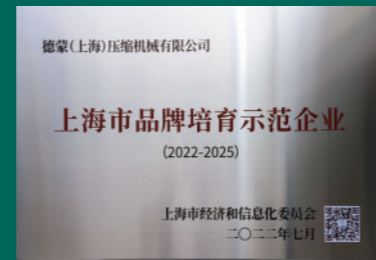


# DREAM

GREEN ENERGY SHARED DREAM

## Enterprise honor

- High-tech enterprise
- Specialized in special new enterprises
- Energy-saving technology and equipment contributing enterprises
- Shanghai brand cultivation model enterprise
- CE Certificates
- EMC Certificates
- TUV Rheinland Class 0 Oil Free Certificates
- Germany TUV product safety certification
- GCCA product quality and safety certification
- ISO 9001,14001,45001



**20+**  
City subsidiary

**34** Provincial sales  
service network

Adhering to the business philosophy of "market-oriented, customer-centric, technical support and service guarantee", Dream is committed to providing customers with high quality products and industry-leading services. With Shanghai as the center and 20 service outlets nationwide as the auxiliary, Dream covers 34 provinces and autonomous regions of China's sales and service network, dedicated to provide customers with better service.

## Global service

Dream is committed to providing quality products and services on a global scale, and has conducted overseas operations in many countries and regions, including Southeast Asia, Europe, and the Americas, and has established strong partnerships in overseas markets. Our overseas agents have rich experience in cross-cultural communication and international vision, and are able to better understand and meet the needs of local customers and markets. In the future, we will continue to strengthen the development of overseas business, expand more overseas markets, and let China intelligent manufacturing shine on the international stage.



## Dream Intelligent Manufacturing Six core competencies

### Product

- Oil-free series vacuum pumps
- Energy-saving screw vacuum pumps
- Mobile vacuum pump
- Compressed air purification equipment



### Solution

- Vacuum Technology Energy Saving Expansion
- Digital station house
- Intelligent control
- Whole station energy saving

### Guarantee

- Product quality assurance
- Production cycle support
- Product after-sales support
- System engineering capability assurance
- Capacity supporting measures

### Technology

- Technologies Vacuum System Development
- Automation Digitization Technology
- Specialized application technology

### Engineering

- Vacuum station retrofit capability
- Project management capability
- Engineering design capability
- Detail implementation ability

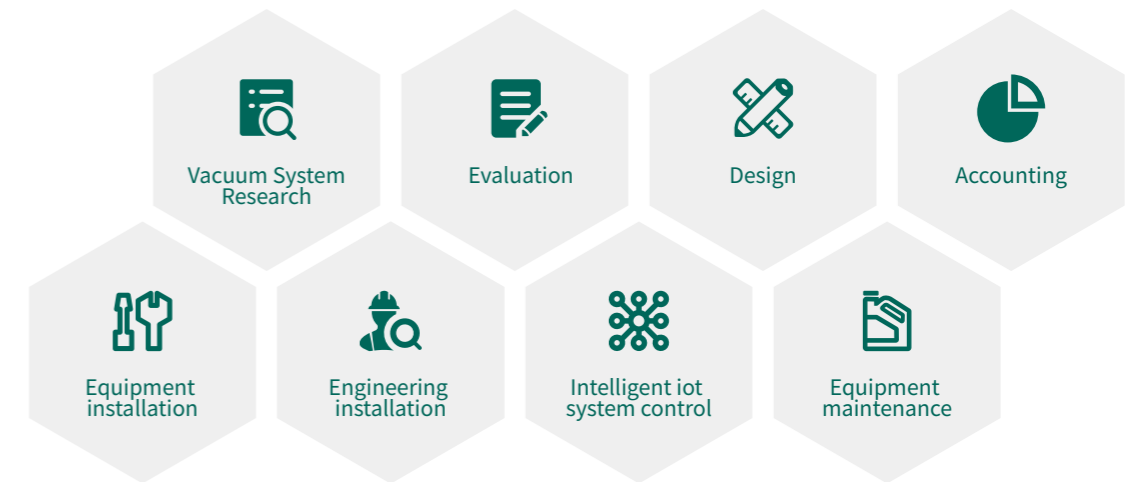
### Service

- Full life cycle service
- Performance pledge
- 19 national service outlets
- Global delivery

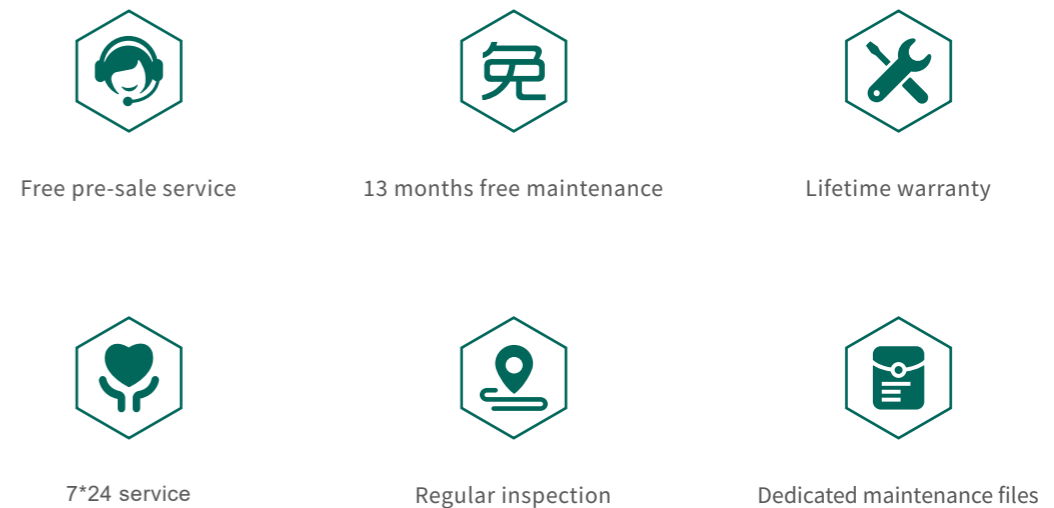
## | Full process cycle and service

We design or upgrade vacuum stations for our customers, providing full process cycle services covering vacuum system research, evaluation, design, accounting, equipment installation, engineering installation, intelligent IOT system control, and equipment maintenance.

## | Service process



## | Performance pledge



## DMW-ZK Series Microthermal vacuum adsorber

Specially designed for acidic gas corrosion of dry vacuum pumps, a variety of gas adsorption processing capacity, cyclic regeneration, to solve the corrosion of vacuum pumps and the serious pollution of exhaust gas and other issues. It extends the service life of the equipment and improves the vacuum degree.

### Adsorption gas types:

Water, Ammonia, Hydrogen, Helium, Hydrogen Sulfide, Carbon Dioxide, Manganese Hydroxide, EtSH, MeSH, Acetylene, COS, Methane, Nitrogen, Carbon Monoxide, Oxygen, Ethyl Alcohol, Ethane, Propane, Propylene, Olefins, Alkanes, Benzene, Toluene.



### Scope of application:

In high vacuum condition, to slow down the corrosion of corrosive gases on the vacuum pump and to reduce the environmental protection index.

### Sustainability:

Extremely long adsorption cycle and short regeneration cycle to maintain high adsorption capacity for a long time.

### Safety:

automatic start-up, automatic switching of adsorption and regeneration, autonomous regeneration to the initial state, various emergency plans, automatic stop

### Low pressure loss:

measured pressure loss less than 300PA.

## DM-F Series Gas-water separator

Used in low vacuum with high water content, suitable for CNC machining centers, food vacuum equipment, packaging equipment, printing machine, hospital centralized system, plastic finishing machine, wood processing, paper industry (de-watering), etc.



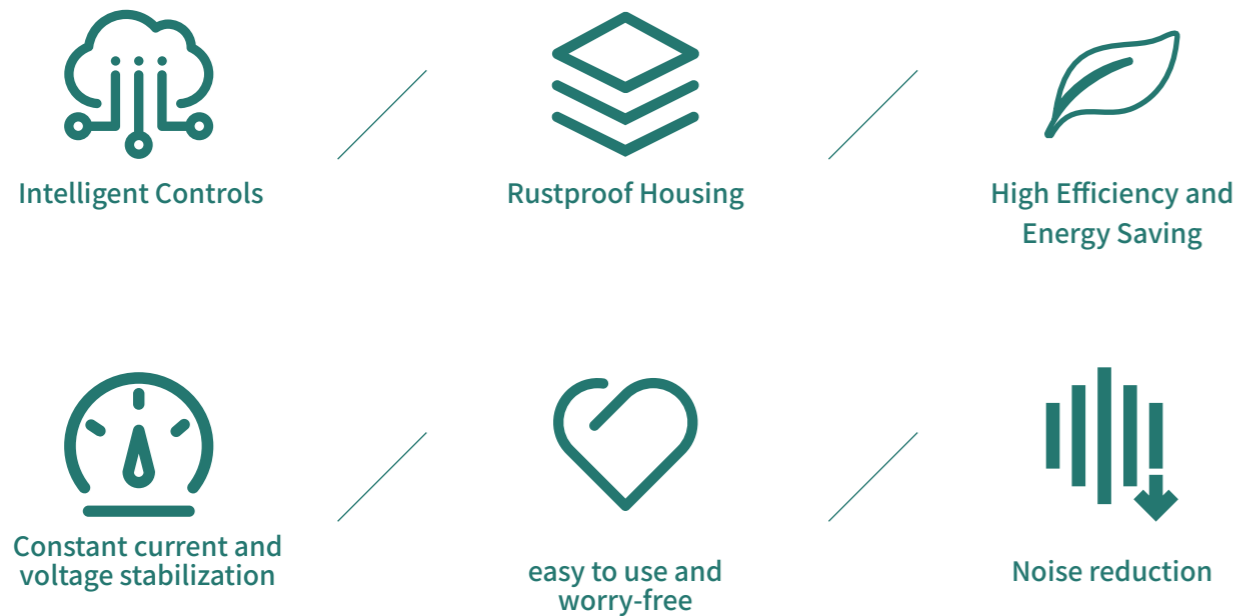
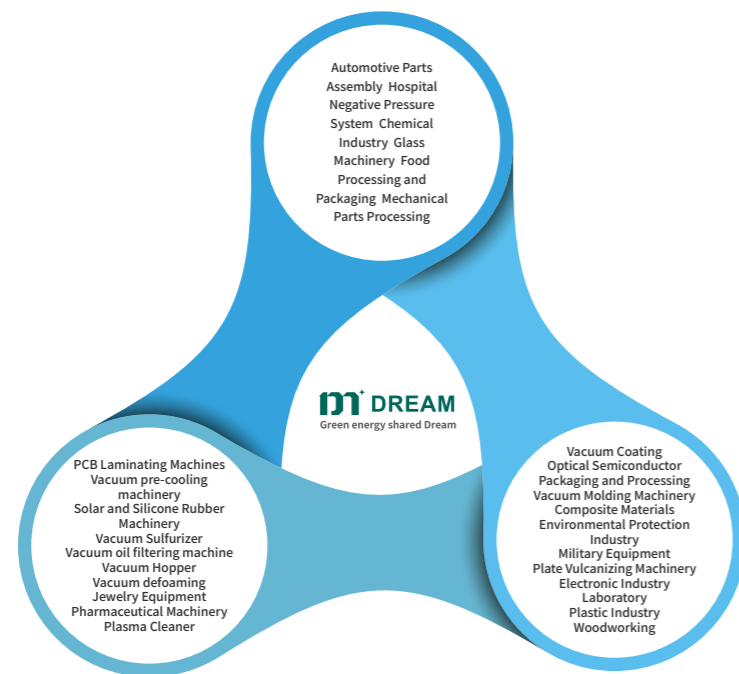
### Work of the gas-liquid separator:

The manual valve above the equalizing valve and the equalizing valve are used to regulate the vacuum fluctuations of the switching after draining and to provide a stable vacuum for the user's vacuum system.

- ① Working sequence: equalizing ---- collecting ---- pressurizing ---- discharging, cycling.
- ② Valve adjustment: first close the valve by half, observe for one cycle to see the fluctuation of vacuum meter during switching, gradually adjust to the state of minimum fluctuation, and adjust the time of pressure equalization at the same time.
- ③ Reducing the number of discharges: The number of discharges can be reduced by extending the collection time.

## Product Application Fields

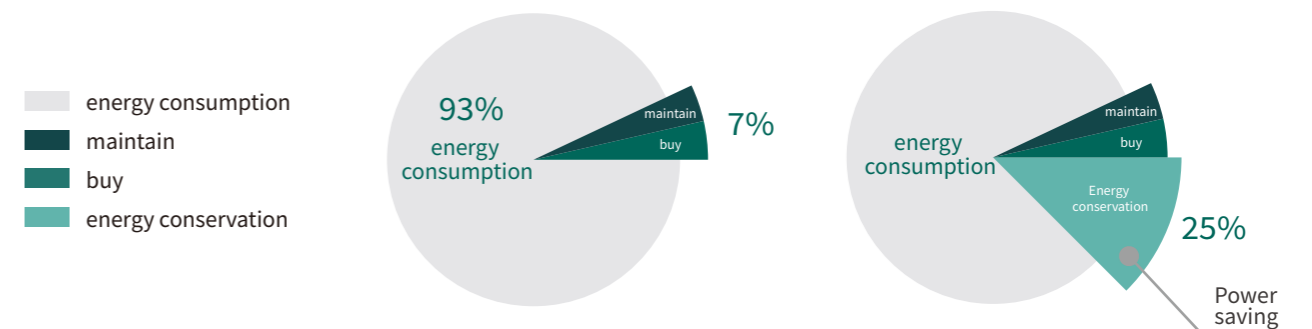
The application fields of vacuum system are very wide, and have penetrated into aerospace, vehicles, civil engineering, machinery, packaging, environmental protection, medicine and medical equipment, petroleum, chemical industry, food, optics, electricity, electronics, atomic energy, semiconductor, cryogenic, professional machinery, textile, paper, civil industry and military industry. Environmental protection, medicine and medical equipment, petroleum, chemical, food, optical, electrical, electronic, atomic energy, semiconductor, cryogenic, professional machinery, textile, paper, civil industry and military industry. With years of in-depth research in the vacuum field and unique insights into the application of vacuum processes, the team of Dermont can customize the best vacuum system solutions according to the customer's process.



## Energy saving and cost reduction

When purchasing vacuum pumps, the traditional cost (that is, purchase cost + maintenance cost) accounts for only 7% of the total cost, while energy consumption accounts for 93%.

— Taking 11KW as an example



Water ring vacuum pump



Dream vacuum pump



Dream 11KW vacuum pump  
It saves about 25% of electricity a year

# DREAM

## Intelligent control technology

cloud intelligent control three functions and value



### Digital Station

Intelligent control: 10-30% reduction in O&M costs

- 3D virtual vacuum pump
- Data dynamic monitoring
- Workshop diagnostic reports
- Failure online warning
- Maintenance interval reminder



### Intelligent control

Intelligent machine adjustment: reduce manual labor time  $\geq 50\%$ .

- Vacuum pump automatic control
- AI algorithm autonomous parameterization
- Dynamic decision making for equipment prioritization
- Intelligent control of ancillary equipment



### Whole station energy saving

save the power consumption of 5-30%

- edge computing technology
- narrow band constant voltage technology
- multi-parameter and multi-constraint control algorithm
- big data visualization technology

## GREEN ENERGY SHARED DREAM



Computer remote monitoring



Dream vacuum pump  
wifi connection control  
remote monitoring



Mobile phone  
remote monitoring

