



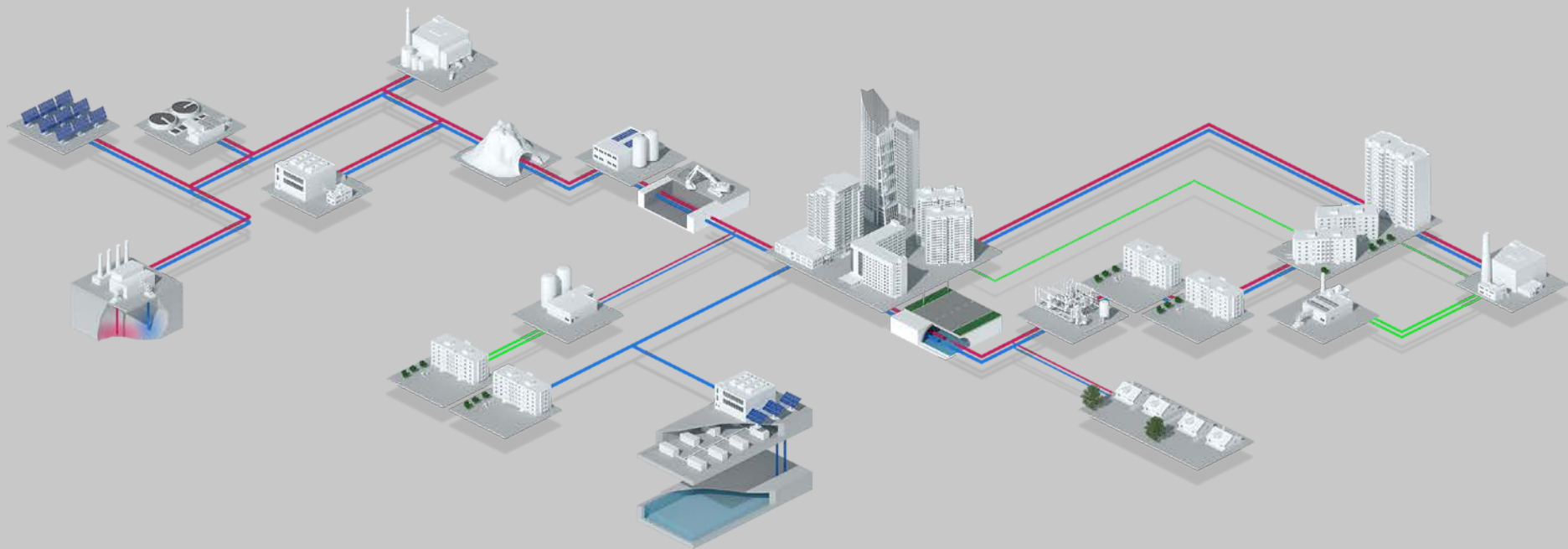
**KOLMEKS**  
EFFICIENT RELIABILITY

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COMPANY PRESENTATION 2017  
公司简介

# KOLMEKS IN DISTRICT HEATING SYSTEMS

## 康迈斯在集中供热系统中的应用



# KOLMEKS

EFFICIENT RELIABILITY  
SINCE 1945

高效稳定  
源自1945年

We have a long history of precision engineering, pump technology and manufacturing. Together with global supply chain management it gives us an expertise to design and make products that are more efficient and last longer than the ones of our competitors.

我们在精密机械、水泵技术及加工制造方面有着悠久的历史。与全球供应链管理一起，为我们提供了一种专业知识：可以设计和制造比竞争对手更有效率和持久耐用的产品。



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KOLMEKS WAS FOUNDED  
1945 AND ACQUIRED BY  
BRANDT FAMILY 1982.

康迈斯成立于1945年，在1982  
年被布兰特集团收购

**Since then we have opened  
factories and expanded our  
business and operations from  
Finland to Estonia, China and  
India. 从那时起，我们在爱沙尼亚，  
中国和印度都建了生产基地。**



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We operate globally in the field of manufacturing pumps and electric motors, and supplying the best components.

### Products and Services



Pumps



Electric Motors

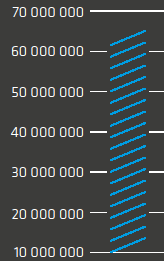


Components



Services and Maintenance

### Family Owned Company



**65 Million €**  
Turnover

Founded in **1945**

**1945**



**660** Employees



Experience with  
European Heritage

### Reliable Energy Efficiency



Recycling as  
Standard



**99 %** Metal  
Saved



**25 years'** lifetime  
of a product

### Global Perspective – Local Presence

Highly Developed  
Supply Chain  
Management

Production and  
factories in  
4 countries

Sales and  
representation  
locally worldwide



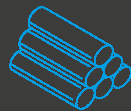
### Remarkable Annual Production



**40,000**  
Pumps



**500,000**  
Products Delivered



**8,000** tons of  
Cast Iron



**1,000,000** km. of  
Copper Wire Used

# KOLMEKS PUMPS

## 康迈斯水泵

**Kolmeks is one of the world's leading manufacturer of pumps and motors.**

康迈斯是全球领先的水泵和电机制造商

We are specialized in centrifugal pumps used in heating and air-conditioning systems.

我们专注于暖通空调领域的离心泵

**Kolmeks pumps are 康迈斯水泵是**

- DESIGNED TO BE SIMPLE USE 方便使用的设计
- VITUALLY MAINTENANCE FREE 真正的免维护
- SILENT AND DURABLE 低噪音和耐用
- WORLD CLASS IN ENERGY EFFICIENCY

世界级的高效节能



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# KOLMEKS PUMPS

## - THE CORE OF EFFICIENT RELIABILITY

### 康迈斯水泵 - 高效稳定的核心

- Kolmeks pumps are typically **used in heating- and cooling systems** as well as other clean water and other clean liquids circulating, pressure-boosting and similar applications.  
康迈斯水泵通常应用于供热和制冷系统中，同时也应用于清水和其他清洁液体循环增压和类似应用中。
- Due to the use of many different materials and sealing solutions the pumps are increasingly used in **different processes in the industry in general.**  
由于各种不同材料和机封解决方案的使用，康迈斯泵也越来越多的应用于工业领域
- **OUR PUMPS CAN ALSO BE EQUIPPED WITH SEPARATE OR INTEGRATED FREQUENCY CONVERTERS TO ADJUST SPEED AS REQUIRED.**  
康迈斯泵可以配独立或集成的变频器用于调速运行。
- In-house design and manufacturing facilitates tailoring of the pumps according the customer needs.  
自主设计和制造可以为客户提供定制化产品



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# KOLMEKS DISTRICT HEATING 康迈斯区域供热 – THE NORDIC MODEL 北欧模式

KOLMEKS approach is based on the Nordic model of district heating.  
康迈斯解决方案是基于北欧区域供热模式

It is the culmination of best BLS practices in northern conditions where reliability and energy savings play the key role of the whole system network.

这是基于北方环境条件下楼宇式换热站最佳实践的结果，可靠性和节能在整个系统中起关键作用。

*KOLMEKS pumps delivered to district heating in Helsinki during 90's are still in use*  
康迈斯水泵在芬兰赫尔辛基区域供热系统中，从上世纪90年代运行至今



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# KOLMEKS DRIVING THE MARKET DEVELOPEMENT OF DISTRICT HEATING 康迈斯驱动区域供热市场的发展

NETWORK EFFICIENCY AND RELIABILITY ARE MORE THAN  
A COMBINATION OF INDIVIDUAL PRODUCTS.

管网的高效和可靠性要远比仅仅把各个产品组合在一起重要。

While KOLMEKS **tailor made pumps** provide the market leading functionality to all district heating systems, it is the Kolmek's **intelligent services** together with **modern frequency converters** that remove the guess work from maintenance and set new standards for proactive system optimization.

现在康迈斯量身定制的水泵可为所有区域供暖系统提供市场领先的功能，康迈斯智能服务与现代化的变频器相结合，可以消除维护中的猜测工作，并为主动的系统优化设定新标准。



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# KOLMEKS DRIVING THE MARKET DEVELOPMENT OF DISTRICT HEATING 康迈斯驱动区域供热市场的发展

DISTRICT HEATING NETWORK THAT MEETS MODERN DEMANDS IS A COMBINATION OF THREE INTEGRATED ELEMENTS THAT ADD VALUE TO EACH OTHER.

满足现代化需求的区域供热管网是将三个集成元素组合在一起并互相增值。

- 1. Kolmeks Centrifugal Pumps** as a backbone of the system  
康迈斯离心泵作为系统的骨干
- 2. Integrated Frequency converters** providing optimized power and efficiency  
集成变频器提供优化的功率和效率
- 3. Intelligent, datadriven services** accumulating the understanding of the whole network for proactive maintenance, optimized energy efficiency and lifetime management.  
智能化的数据传输服务积累了对整个网络的了解，主动维护，优化了能源效率和终身管理。



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## GREEN EFFICIENCY 绿色能效

- Proven world class efficiency with longest lifetime in the market  
已被证明是市场上同类产品中最长使用寿命和世界级的高效节能

## INTELLIGENT FQ 智能FQ

- Added control to energy efficiency and optimisation  
增加了能效和系统优化的控制
- Gateway to intelligent services  
网关智能服务

## INTEGRATED MOTOR 集成式电机

- Special Kolmeks design where motor is directly connected to impeller  
特殊的康迈斯设计，电机直接与叶轮连接
- Shorter shaft without coupling  
轴更短无需使用联轴器



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## HEAT TECHNOLOGY 供热技术

- Added reliability in high temperatures together with customization possibilities  
在高温下增加了可靠性和定制可能性

## DRY RUNNER 干式运行

- 30% longer lifetime  
增加30%使用寿命

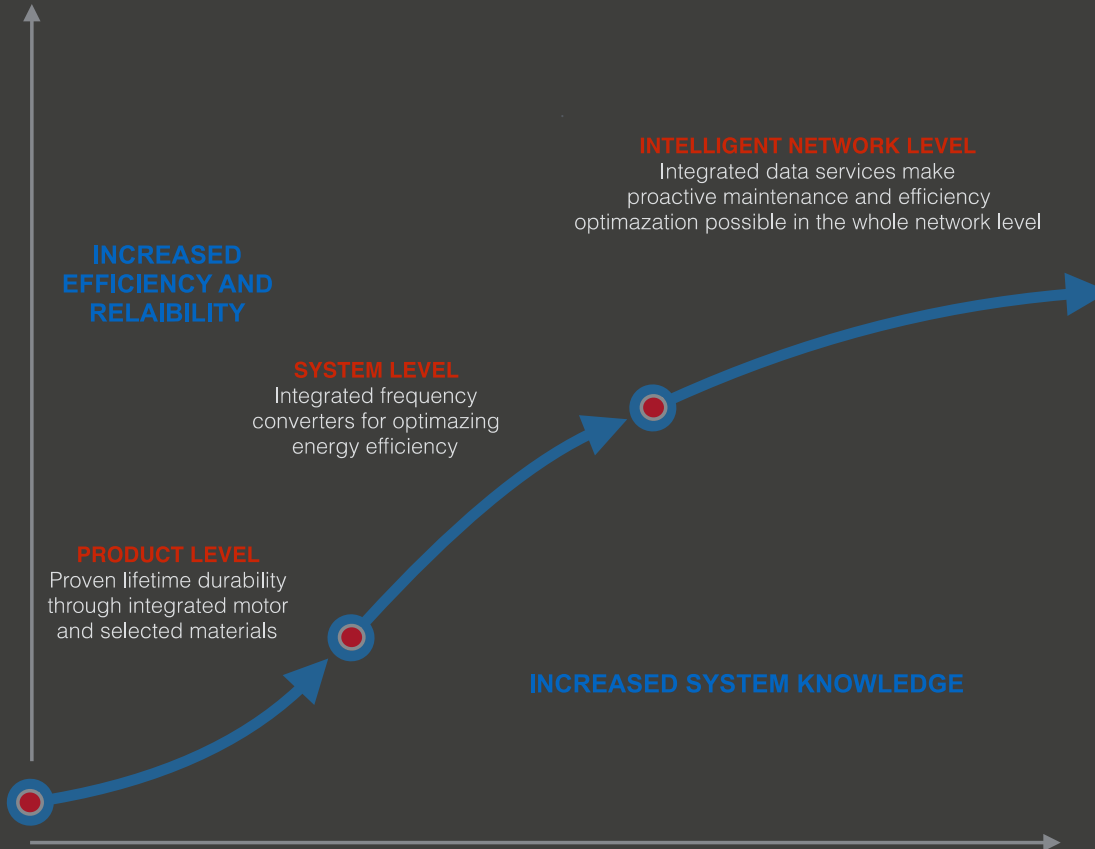
## MASTERING MATERIALS 主要材料

- Proven high technology production for industry's best lifetime  
经过认证的高科技生产提供了最佳的使用寿命



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# OUR APPROACH TO DISTRICT HEATING



**KOLMEKS**  
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# OUR CUSTOMERS

# 我们的客户



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Mr. Sun Ji Wei, Assistant to General Manager, Tianjin Thermal Power Corporation  
孙继伟，总经理助理，天津热电

*“We have used Kolmeks pumps since 2001  
and their pumps continue to perform well  
after many heating seasons.”*

我们从2001年前就用康迈斯水泵，经过了这么多  
多年采暖季他们的水泵一直运行良好



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Mr. Timo Hulkkonen, Founder and Chairman, Gebwell Oy  
Timo Hulkkonen 先生，Gebwell创始人和主席

*“We have an ongoing global cooperation with Kolmeks because of their deep knowledge about pumps. They are world leaders at what they do, and they deliver what we need, when we need it.”* 我们和康迈斯正在进行全球合作，因为他们对泵有着深厚的知识。他们是他们领域的全球领导者。他们可以在我们需要时交付我们需要的产品



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