

# 全球壁挂炉市场发展趋势分享 Global WHB Market Development Analysis

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# 全球能源政策解读 Global energy policy



#### 全球气候治理方向: 严格限制碳排放量,推动能源转型! Global climate governance: carbon emissions and energy transformation



# 1992年《联合国气候变化框架公约》 United Notions Framework Convention on Climate Change 1997年《京都议定书》 The Kyota Protacol







#### 各地区减排目标 Regional carbon emission targets





2050年实现碳中和



2050*年实现碳中和* 2030*年减排*55%



2060年实现碳中和

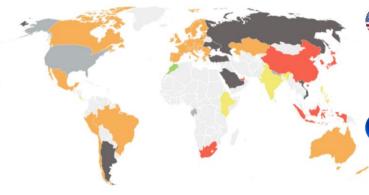


*第*26*届联合国气候变化大会 (*COP 26)

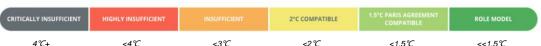
COP26会议主席: "目前我们将全球变暖幅度控制在1.5摄氏度以内,但是否可以继续保持将取决于未来能否信守承诺以及在应对气候变化问题上的行动力"

"We can now say with credibility that we have kept 1.5 degrees alive. But its pulse is weak and it will only survive if we keep our promises and translate commitments into rapid action ..." Alok Sharma, COP26 President

#### 各地区减排工作路径 Regional carbon emission paths









"超过三分之一的美国人口目前正经历着高于平均水平的快速升温,499个县的升温水平已经超过1.5摄氏度"

"More than a third of the American population is currently experiencing rapid, above-average rates of temperature increase, with 499 counties already breaching 1.5°C (2.7°F) of heating" The Guardian. Sun 6 Feb 2022



风电、太阳能等可再生能源供应不稳定;欧洲现阶段严重依赖天然气;欧洲天然气产量减少,俄罗斯供气也在减少;严重供需失衡

The supply of renewable energy such as wind power and solar energy is unstable; Europe is now heavily dependent on natural gas; Europe is producing less gas, and So is Russia; Severe imbalance between supply and demand

#### 重要的过渡能源: 天然气

#### Natural gas as transition energy



#### 欧盟计划将天然气和核能视为绿色能源

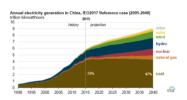
将核能和天然气项目纳入"绿色"投资目录草案,目的是将私营投资引入 到实现碳中和目标所需要的各种行动中。认可将天然气作为向可再生能 源转换的过渡能源:缓解政府财政压力

EU plans to label gas and nuclear energy as "green" (EU taxonomy:

specification of criteria for investment), which means funding to go towards nuclear and gas projects ...

More funds





New, 14th 5-year plan 2021-2025 提升天然气消费占比

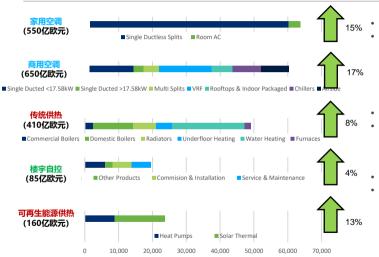


- 十四万规划 明确提升天然气占比
- 天然气是最低碳、清洁的化石能源
- 未来几年, 燃气壁挂炉仍然会受到青睐
- 没有明确的冷凝政策: 更严格的 放要求

全球供热市场分析 Global heating market overview

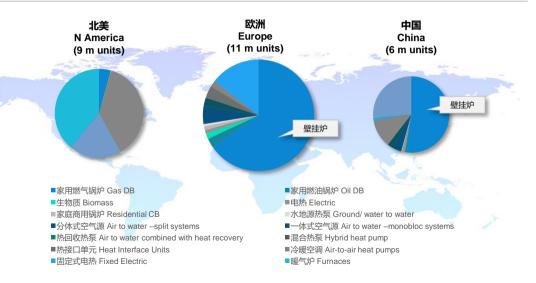


#### 2021年全球暖通市场概况 World HVAC market by industry - 2021



- 空调:原材料上涨、高能效产品升级
- AC markets bounced back-up in double digit growth in residential and commercial markets; raw material prices rising; high efficiency product upgrading
- 楼宇自控:写字楼、酒店行业复苏缓慢
- Higher spec products and rising ASP were recorded across the globe; offices & hotels recovery slowly
- 供热:疫情后供热市场复苏
- Traditional heating markets recovering but uncertainty due to some bans and incentives to switch to renewables; market recovery after the COVID-19

#### 2021年全球住宅供热市场 World Residential Heating Markets, vol by region, 2021



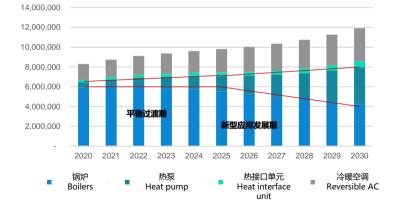


# 欧洲壁挂炉系统应用趋势 Europe WHB system trend



#### 欧洲住宅供热系统应用趋势 - 2030 Europe heating system trend - 2030

2020-2030年欧洲住宅供热市场发展趋势(法国、德国、意大利、荷兰、英国) Market evolution in the <u>progressive</u> scenario 2020 – 2030, by volume, FR, DE, IT, NL, UK







#### 壁挂炉系统应用方向:

- 大然气管道掺20%氢;英国推广掺氢技术,相当于减少250万辆汽车排放;不降低天然气管道安全性,不需要更换现有燃气设备。
- 2) 氢能源锅炉; BDR在荷兰建成 试点项目; 制氢和储运成本高。
- 3) 混合能源系统;热泵在高寒地 区能效低;可用燃气锅炉作为热泵 备份

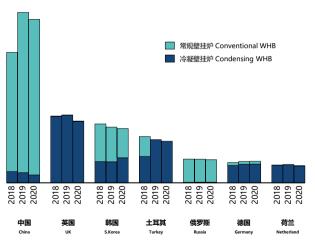
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### 壁挂炉产品技术方向 WHB technology trend



#### 壁挂炉技术方向: 冷凝 WHB technology trend - condensing

全球主要国家壁挂炉市场发展趋势 WHB market trend in major countries in the world



#### 冷凝产品价格高,需要政策助推



政策介入较早,市场全部采用冷凝壁挂炉



受经济、房地产、疫情影响, 市场下滑



2019年开始禁止非冷凝产品



没有价格补贴,低价产品为主



对冷凝产品进行补贴;强制置换达到一定年 限的非冷凝锅炉;对混合能源系统进行补贴。



禁止使用非冷凝炉



冷凝占比低;除北京外,缺乏政策支持;未

来需要政策助推

数据来源: 佰世越 (BSRIA)

#### 展望2030年之后... Beyond 2030 ...

#### Not on track to deliver



- 政府应对气候变化和能源转型的态度
   The government's approach to climate change and the energy transition
  - 负责任的减排解决方案
     CO2 emission reduction solutions
  - 更多的补贴
     More subsidies
- 利益团体的博弈

Competition between relevant parties

## 谢谢观看! Thank you!



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