

**BELARUS NATIONAL TECHNICAL UNIVERSITY 'BELTEI'**

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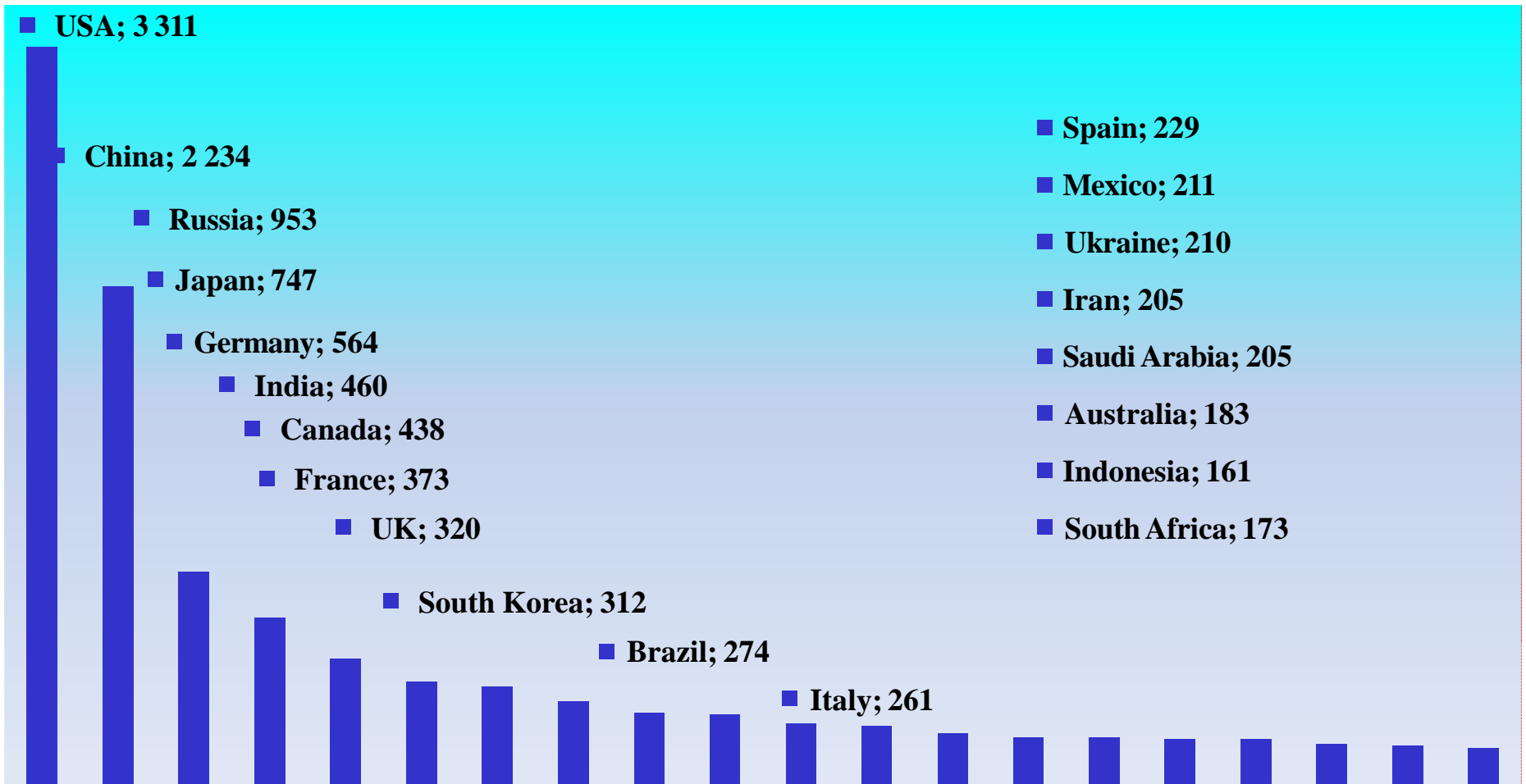
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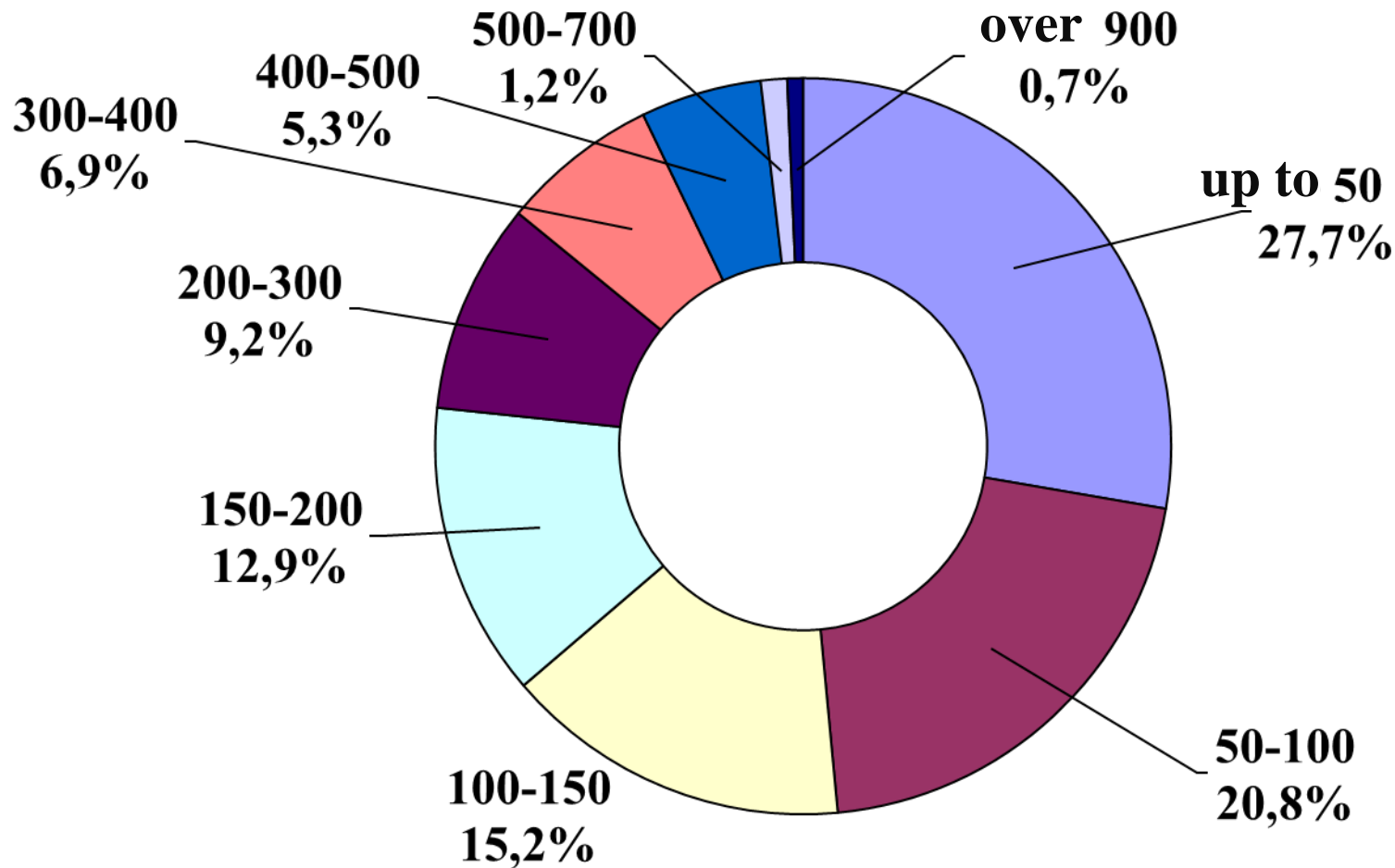
# The prospects of utilizing low-temperature heat flows using heat pumps in Belarus

Minsk, 2021

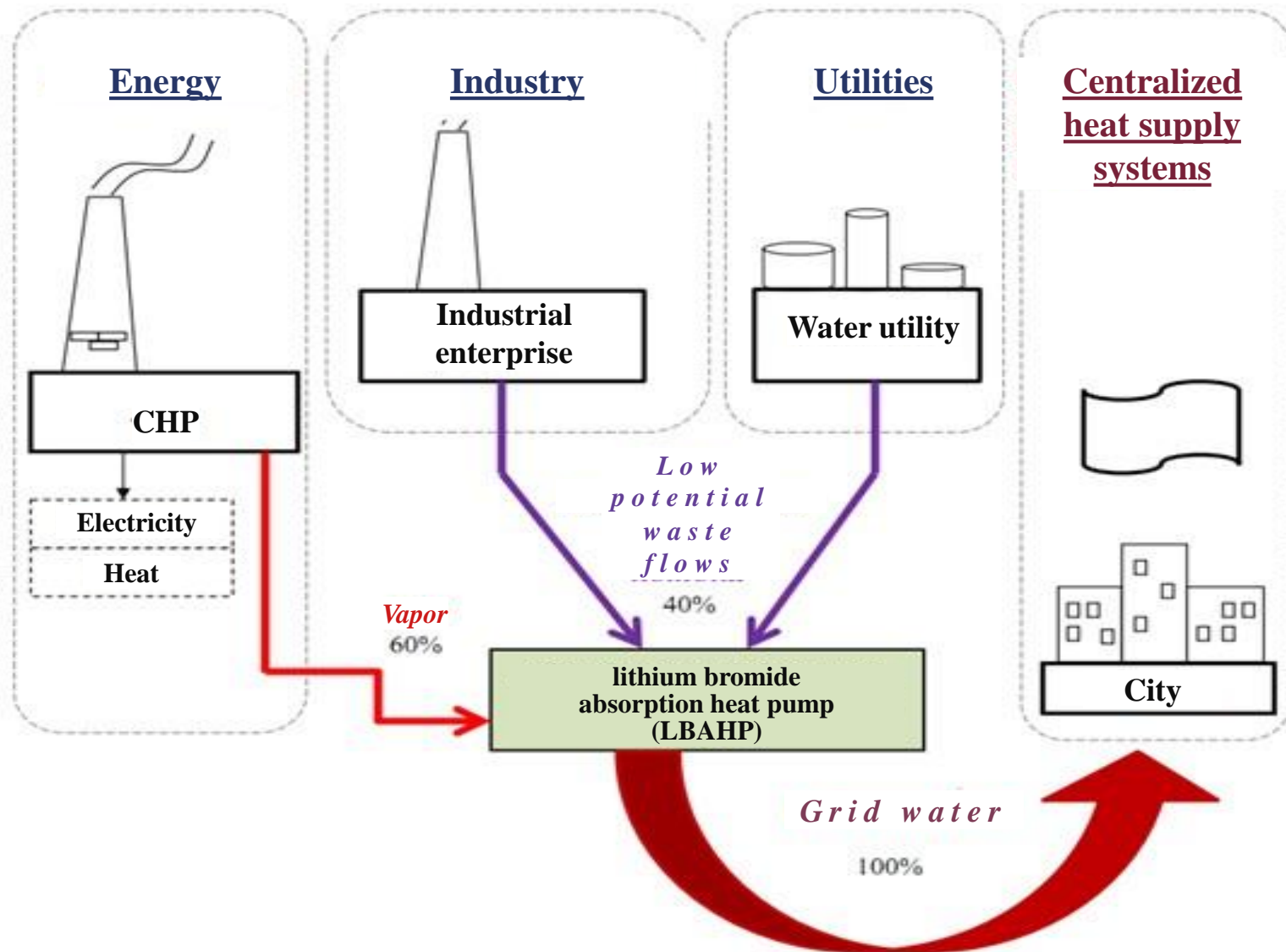
# Annual consumption (mln tce) of the twenty largest global consumers of energy resources in 2000-2010. The share of Belarus – 0.3% of total consumption



# Distribution of ancillary waste heat flows by temperature for an industrial district (the flow temperature is indicated in degrees Celcius)

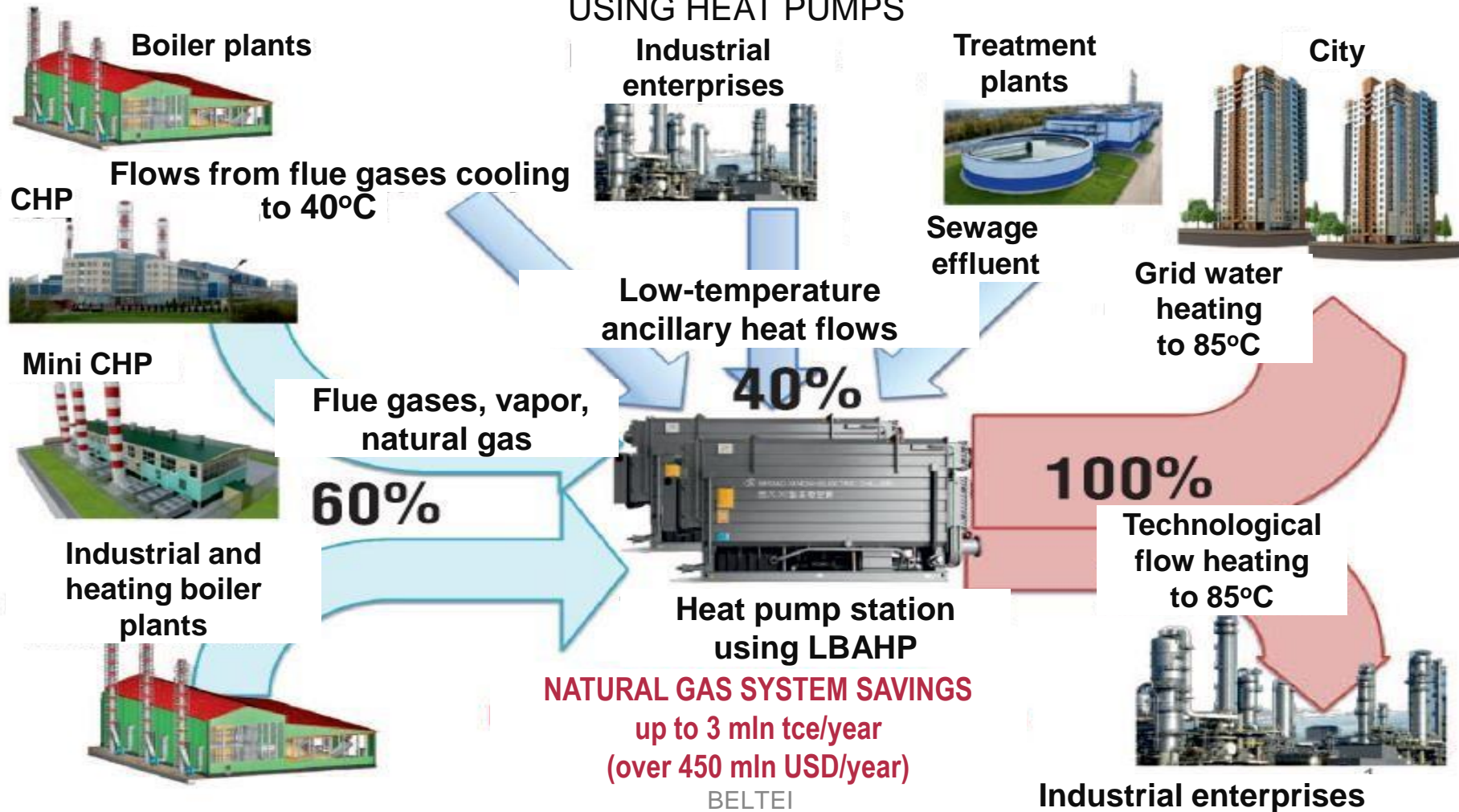


# Lowering fuel consumption for centralized heat supply systems' needs



# Functional diagram of heat supply of industrial hubs using thermal renewable energy resources and the expected effect of its implementation in Belarus

## UTILIZATION OF LOW-TEMPERATURE THERMAL FLOWS USING HEAT PUMPS



**Thank you for your attention**

