



## Astana National Library

### Astana, Kazakhstan

#### Project Overview and Details

Astana National Library was designed by the BIG architectural firm from Copenhagen. Named after the first President of the Republic of Kazakhstan, Nursultan Nazarbayev, the library encloses an estimated 33,000 square meters of space. BIG's design was chosen by the Prime Minister of Kazakhstan Karim Masimov together with Astana's Mayor Imangali Tasmagambetov and a council of architects. They called the design both modern and rational and anchored in a classical vocabulary of traditional libraries.

According to Bjarke Ingels, Founding Partner on the project, "The design of the National Library combines four universal archetypes across space and time into a new national symbol: the circle, the rotunda, the arch and the yurt are merged into the form of a Moebius strip." Yurts are the traditional round homes built on Kazakhstan's plains. A Moebius strip is a continuous loop without beginning or end.

The Library is organized to demonstrate the combination of urban life and nature. Like Astana which is located in the heart of the Kazakh mainland, it will be integrated into the heart of a re-created Kazakh landscape.

#### Solution

Preferred Dynamic Balancing Valve solution for Astana National Library project heating and cooling system is 640 pcs of Frese OPTIMA and OPTIMA Compact Series.



KNOWLEDGE

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