

# Innovation Special Planetariums



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# Zeiss Stars in Brazil

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The great majority of Brazilian planetariums are equipped with systems from Carl Zeiss. Ever since 1954, when the first large-dome planetarium was installed in the Ibirapuera Park of São Paulo, ZEISS planetariums have stood for star projection of superior quality as well as for reliability and longevity. "Celestial hours" in the planetariums made by Carl Zeiss have become part of Brazilian culture.

The tradition goes on: The Planetarium of the University of Juiz de Fora in the state of Minas Gerais is under construction. It will boast an optical-mechanical SKYMASTER ZKP 4 projector, combined with a powerdome®SPACEGATE Quinto fulldome system. Opening is planned for 2013.

At the beginning of 2012, the SABINA 18-m dome planetarium in Santo André was equipped and inaugurated. Again, use is made of a combination comprising, in this case, a STARMAS-TER starball and a powerdome®4DOME system.

Also in 2012, the Planetarium of Sobral in the state of Ceará will be opened. A powerdome®SPACEGATE Quinto fulldome system and a SKYMASTER ZKP 3 projector will provide vivid educational experiences.

The city of Caucaia is planning its new planetarium to be equipped with a powerdome®VELVET fulldome system. It will be the first star theater in Latin America to feature the fabulous VELVET projectors. We congratulate the city of Caucaia and the government of Ceará for having opted for technological excellence that gives them the edge over other planetariums in Brazil.

Carl Zeiss has succeeded in integrating opto-mechanical and digital planetarium systems. While optical fibers deliver the world's best artificial night sky, VELVET projectors furnish un-



*Planetarium project of Juiz de Fora, Minas Gerais (top); the planetarium in Santo André; new planetarium project for Caucaia, Ceará (bottom).*

equalled contrast. The systems excellently complement one another – testifying to the technological leadership of Carl Zeiss in the planetarium business, not only in Brazil.