

SDCPD

SDcpd is a comprehensive survey and design company with its main business in road and bridge design.



“The **3DEXPERIENCE** platform has multidisciplinary collaborative design capabilities and strong knowledge management to improve design efficiency.”

— Mr. Zhang, Deputy Director of BIM Center, SDcpd

Challenge

SDcpd was faced with the demand to design complex road and bridge projects that were technically challenging, with multi-faceted and complicated surfaces, and ultra-high camber arches, making the construction process complex.

Solution

The company adopted the **3DEXPERIENCE**® platform to accelerate design using advanced BIM modeling methods with a single database, in order to test and validate design alternatives and better manage data and intellectual property.

Benefits

Through the **3DEXPERIENCE** platform, parametric design is realized, and SDcpd can share knowledge in design and engineering to improve design efficiency and accuracy for its projects. It can now easily design and validate difficult components, such as complex surfaces or ultra-high bridges.