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Leverage BIM Models for Better and Faster Decisions on Site and in the Field

BIM models can benefit the entire extended project team if they have the right software to unlock this rich source of information. Many of this year's *Be Inspired* Award nominees have shared their own experiences about the advantages leveraging models in the field and on site to make better decisions in less time.

For its Skyway Water Treatment Plant project, CH2M HILL used Bentley Navigator for model review and visualization, linking dispersed project teams directly to the owner. Bentley Navigator enabled visual and automated clash detection and facilitated collaborative resolution of any issues. The construction site team was able to build familiarity with the design prior to the commencement of work on site. Navigator Mobile also allowed CH2M HILL to access the models on site to field-verify as-built progress and data capture and to drive walk-through sessions.

SpawGlass Contractors on their Frost Westover Hills project shared that Bentley Navigator enabled more team members out in the field to view the model, allowing greater participation in the BIM process. Swapna Biju, BIM manager, states that, "Having the model at the fingertips of the project team, as well as the stakeholders of the project, enhanced the preconstruction and the construction processes and added tremendous value to the project."

PowerChina Hubei Electric Engineering Corporation used Navigator Mobile on its Xiandong Jingzhou 220kV substation project in conjunction with ProjectWise to give its field staff complete access to models for project review. Reviewers will be able to perform immersive review of engineering models and equipment information in the field, significantly improving the flexibility of the review process. This technology also enables field workers to view information models created by the institute at any time during the construction phase, more closely connecting the construction site and the design office and maximizing communications between design and construction teams.