

# Hospital Vestfold Hospital Trust. Norway

## Multi storey car park with helipad

Cost	USD 13M
Status	In operation
Participants	Vestfold Hospital Trust Rambøll, multiBIM, +
Chapter	Norway
buildingSMART	IFC



In order to promote industrialized building production, SiV gave a very short time schedule in the tender, target of 3+1 week to finalize the helipad – for works above ground. The project was split in two parts: 1) A turnkey contract and 2) Elevator modules. The interface should be established in open BIM.

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“open-BIM model of the whole site and surroundings was used for visualization and analysis (ex. sun/shade and volume/sight) in dialogue with both the municipality administration/politicians and neighbors, during the period where the municipality zoning plan was established. “

“Unfortunately the original model was using EUREF89 UTM chart system and not the new Norwegian EUREF89 NTM, which has much better accuracy – and which is now in use both in new projects and in the current project of modelling the existing buildings of the hospital in a “slim-BIM”. So we were not able to “build upon” the old model. “

“ The control of changes and invoices/payment was significantly much easier for SiV, due the usage of 4D open BIM. “

“ The problems which occurred and the extra cost in the project was mainly related to the parts which was not modelled (outside the building itself – ex. Ground works).”

“ The ambition and requirements for FM BIM was not achieved at construction finish. Complementing work is being done. “

“A senior construction manager, without any particular BIM knowledge, abandoned his MS project time schedule completely after a couple of months - because he saw the effectiveness of 4D BIM (Synchro).”