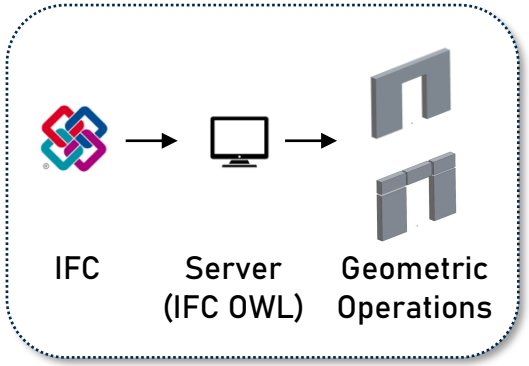
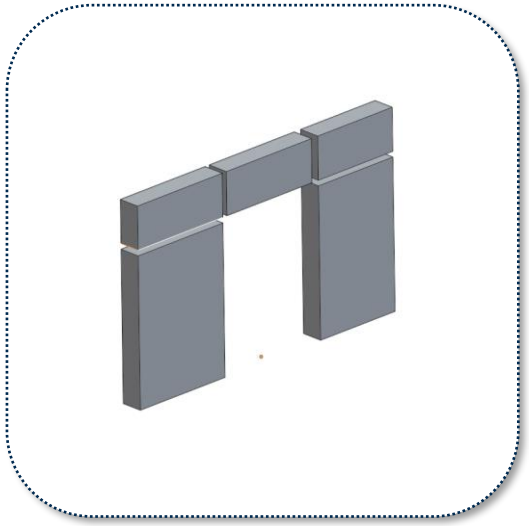
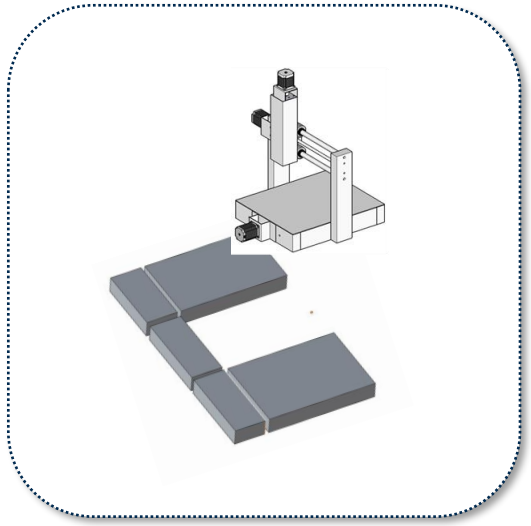
BIM – ROS INTEGRATION







IFC OWL

ROS

1. Retrieve data from IFC OWL
2. Visualize in ROS
3. Simulate the actions of the robot (e.g. Cutting of panels or tiles)
4. Feed the ptoduction status back into IFC DYNAMICALLY

5. Repeat until all selected elements are done

Credits: https://www.villavenir-bimlean.fr/usages-bim-pour-les-entreprises/ , https://commons.wikimedia.org/wiki/File:Ros_logo.svg , https://biblus.accasoftware.com/de/ifc-dateien-alles-was-sie-wissen-sollten/ , https://www.instructables.com/CNC-basics-Building-a-cnc-machine-part-1/