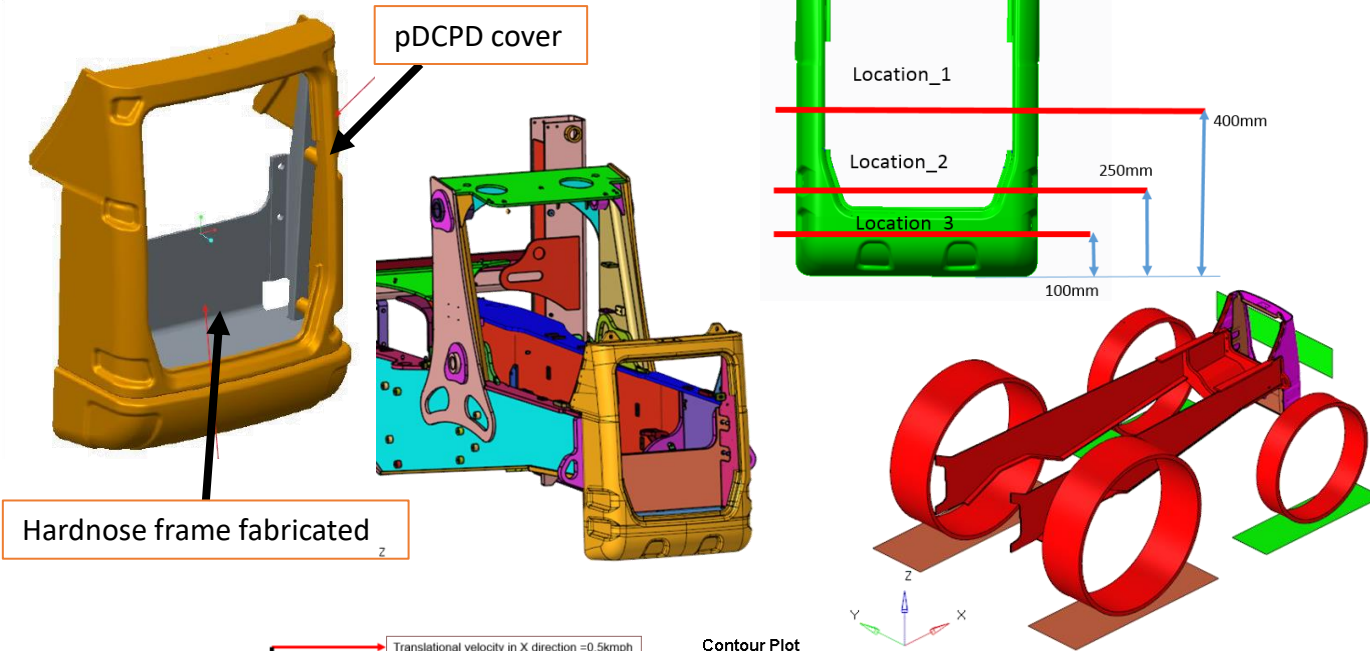


## Low Velocity Impact Simulation:



## Impact simulation of Bonnet-Hardnose

- Developed a virtual evaluation procedure to evaluate the plastic strain due to the impact
- The Backhoe loader was driven by the initial velocity of 0.5m/s and subjected to collide with the hard wall
- Different obstruction positions are considered for the impact to study deformation and high Plastic strain zones
- Recommended design changes to bringdown the plastic stain within allowable stain limit of 4%

