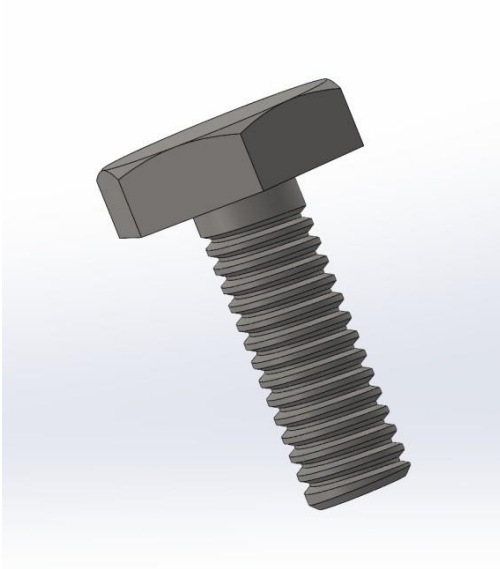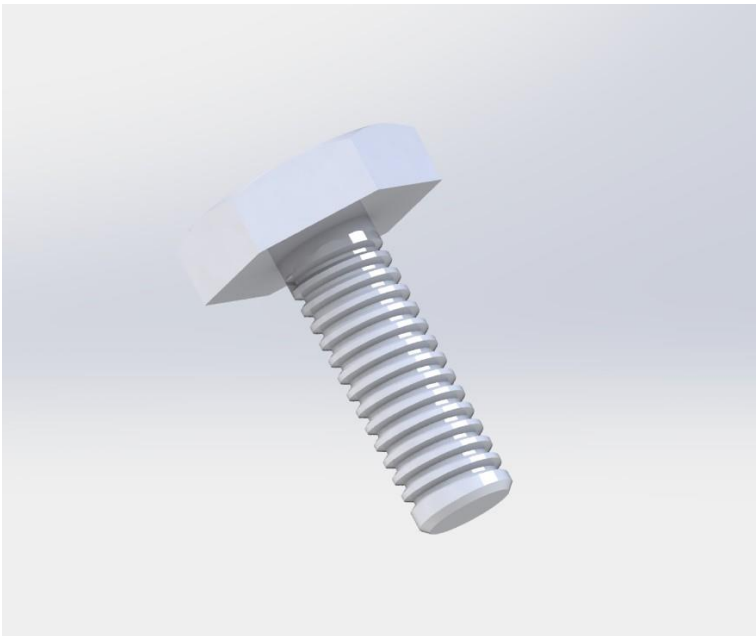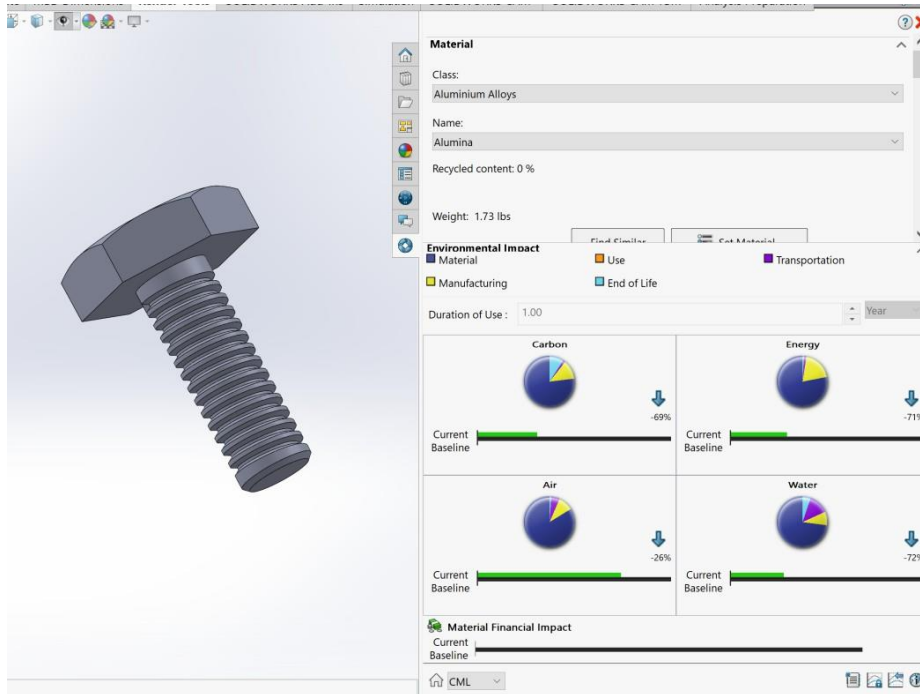# Part Design Project

1)

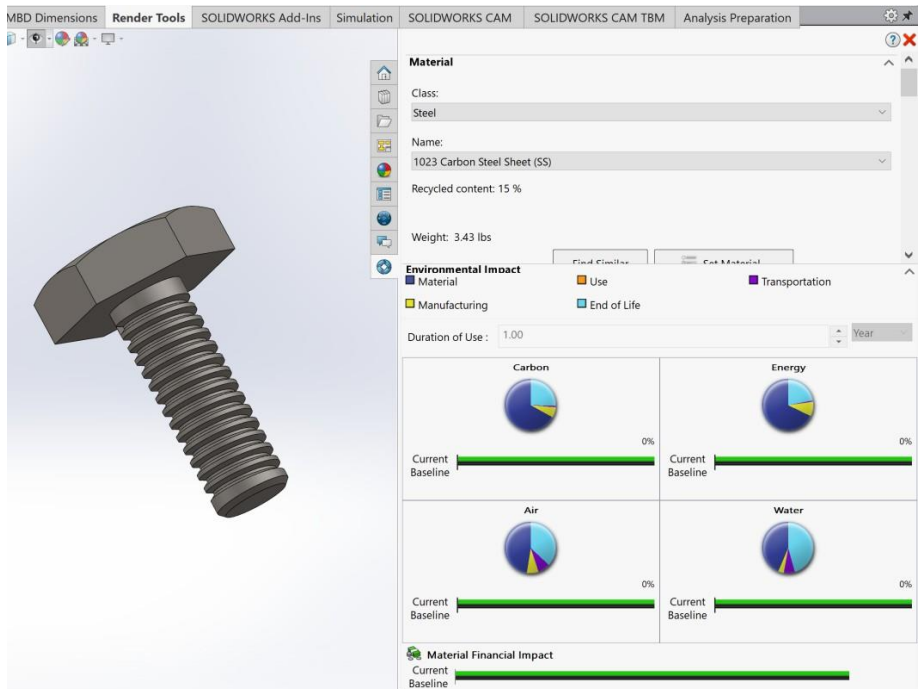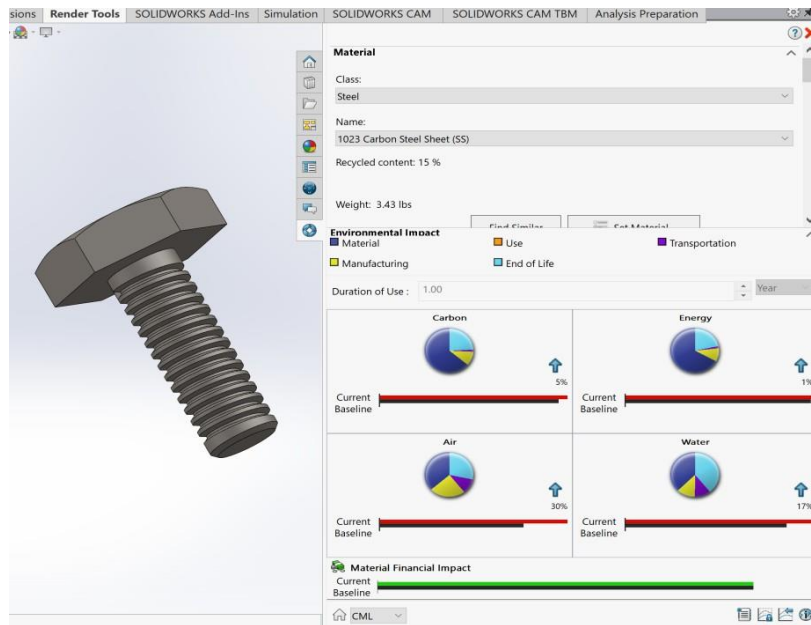**Rendered Image**

A) Graph showing usage of Aluminum better than using Steel {Green line – Aluminum, Black – Steel (the baseline was set to steel)}
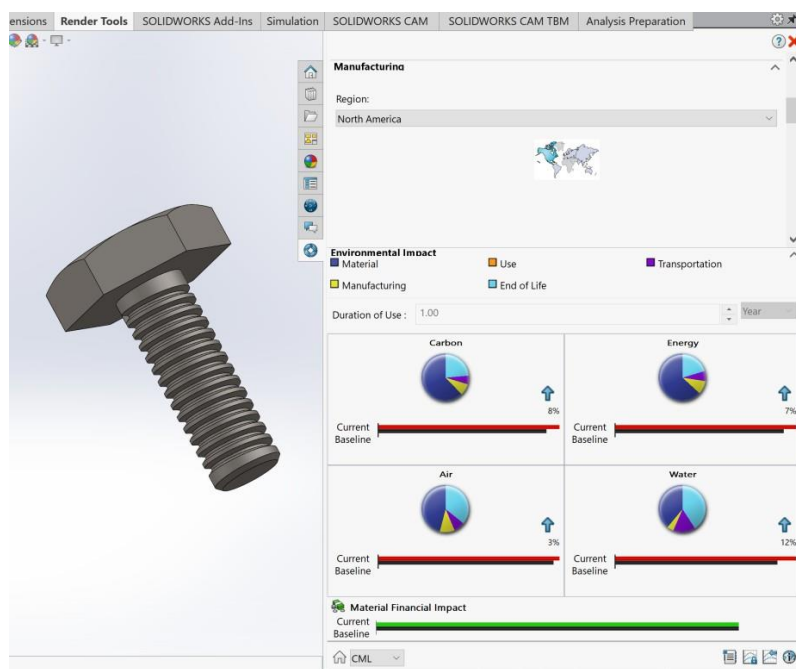

Below graph showing material set to Steel

Graph showing Steel as material but comparing the result with respect to manufacturing location set as Europe(baseline) and to manufacturing location set to Asia (Red line) and end user being US.
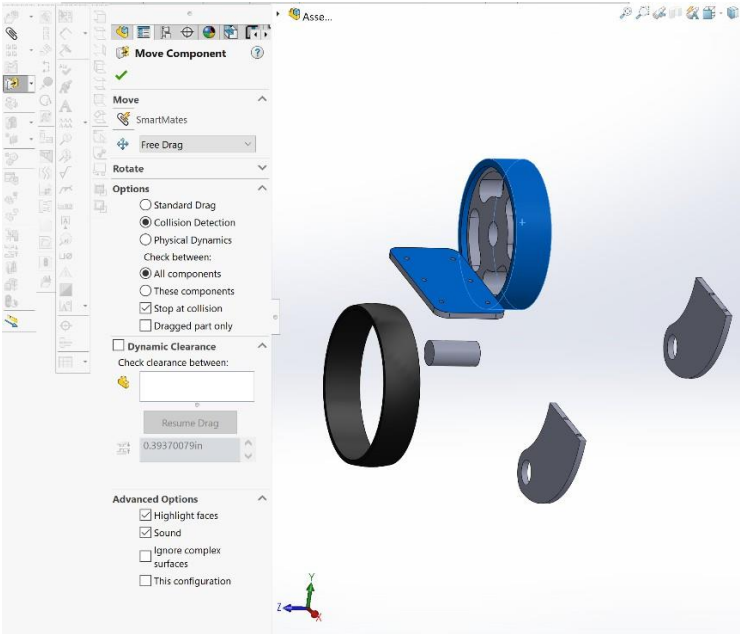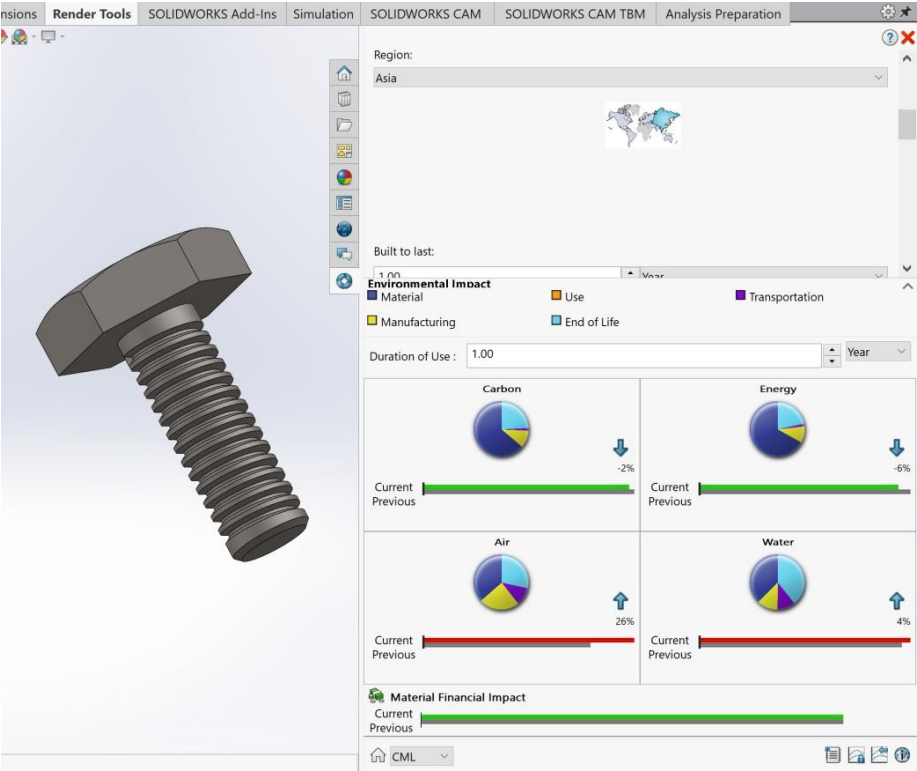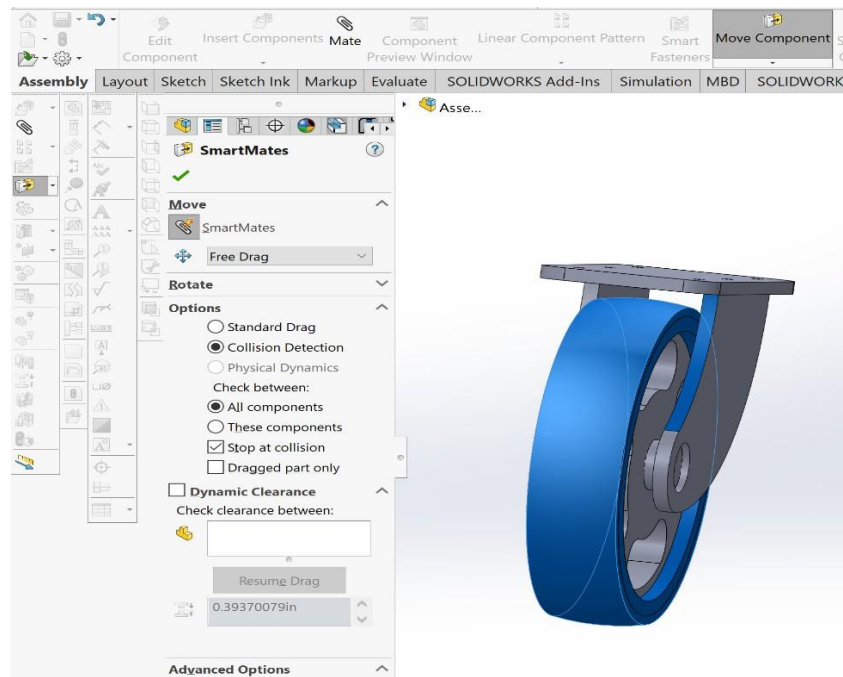

Graph showing Steel as material but comparing the result with respect to manufacturing location set as Europe(baseline) and to manufacturing location set to North America (Red line) and end user being US.
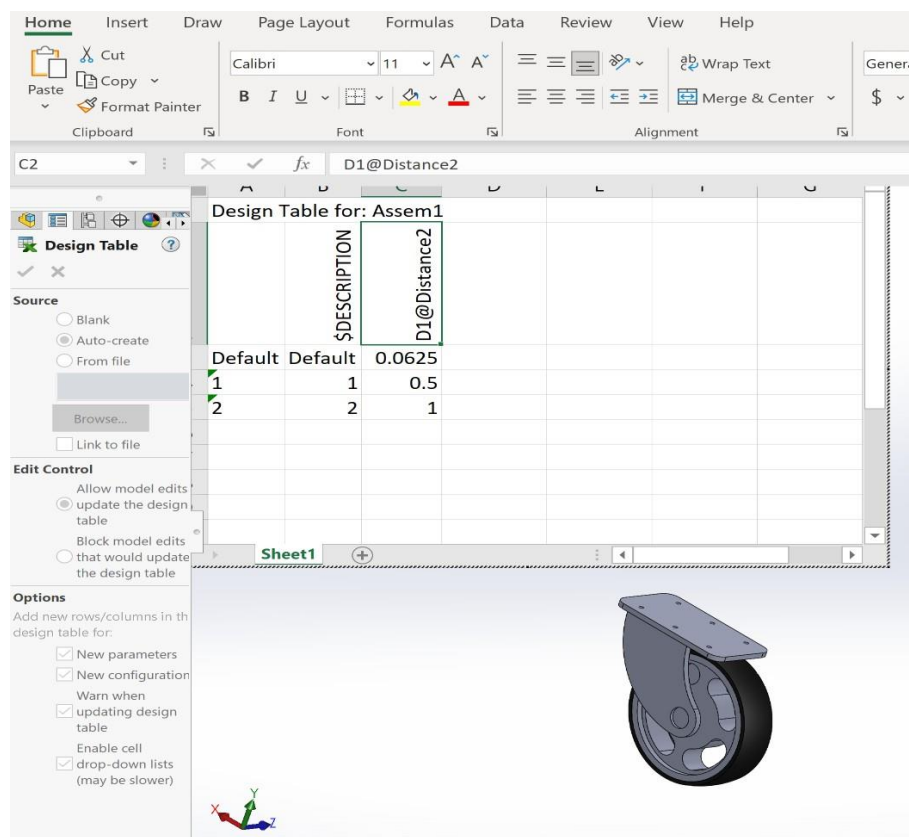
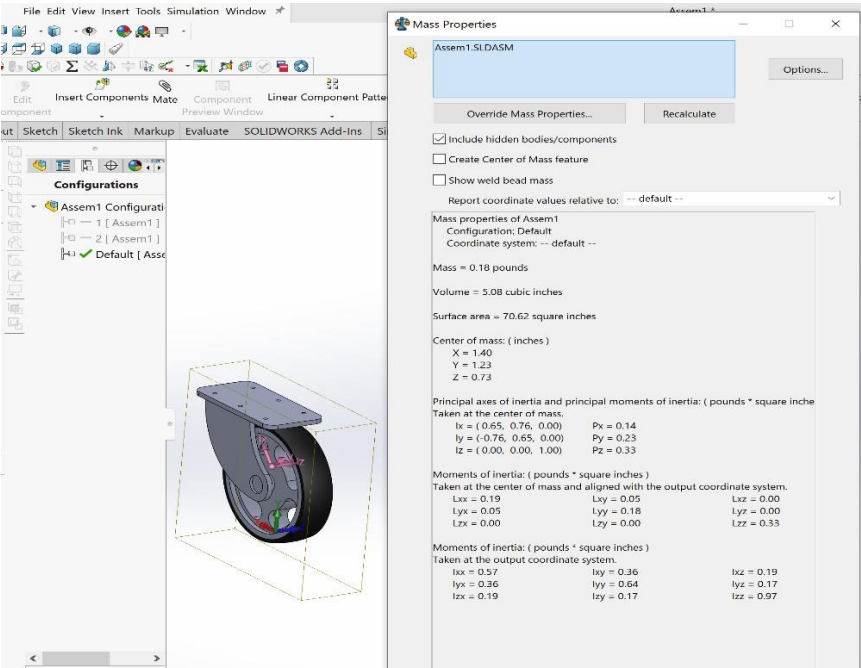**Graph showing the comparison of using steel as material to manufacture the bolt in US & Asia.**
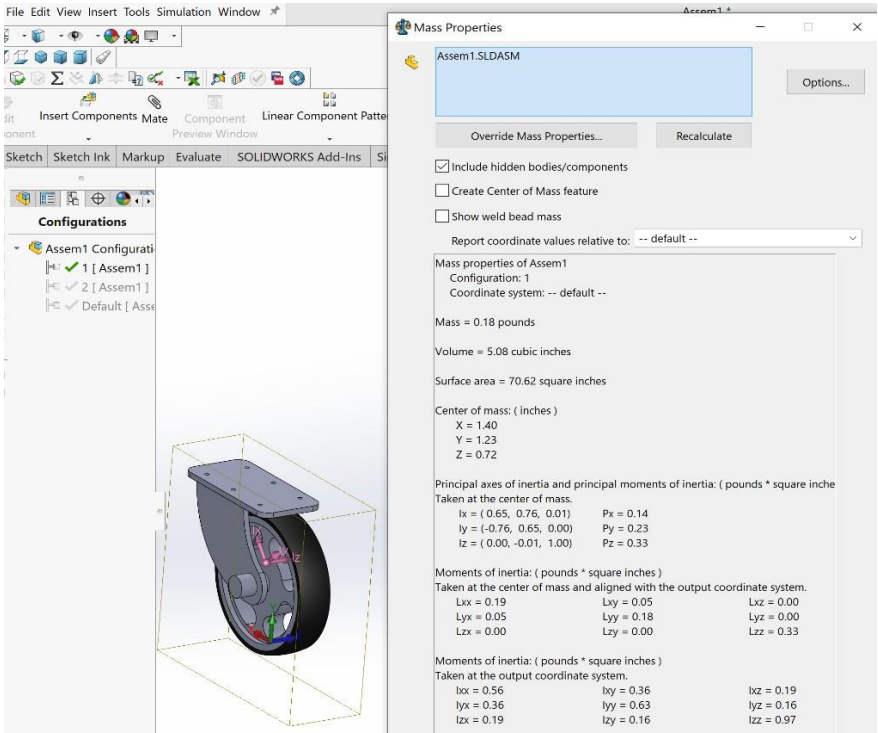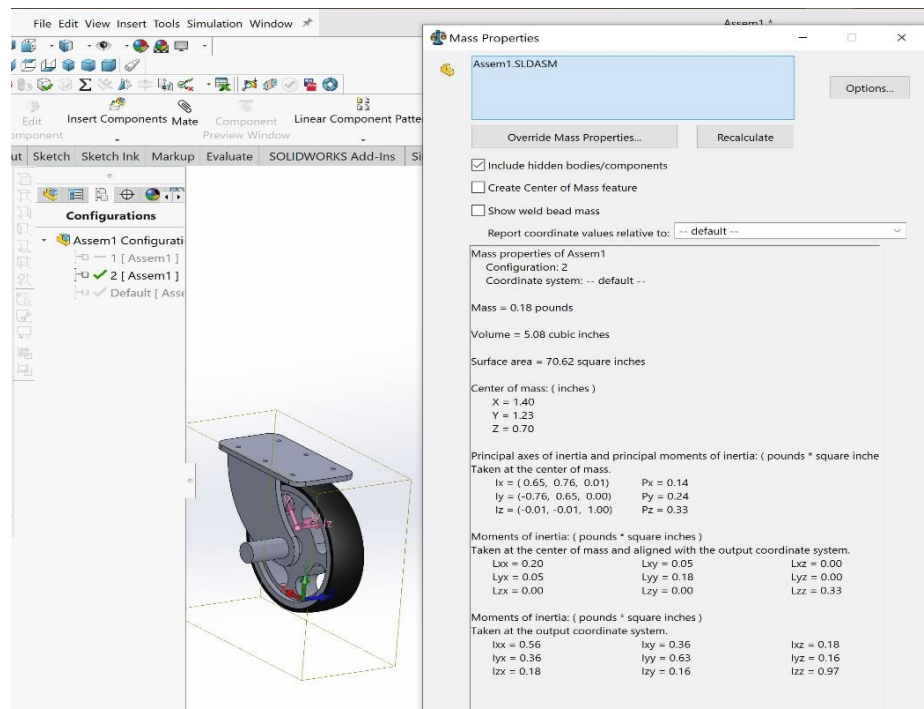
B)

C)

Mass properties Default

Configuration 1

Configuration 2

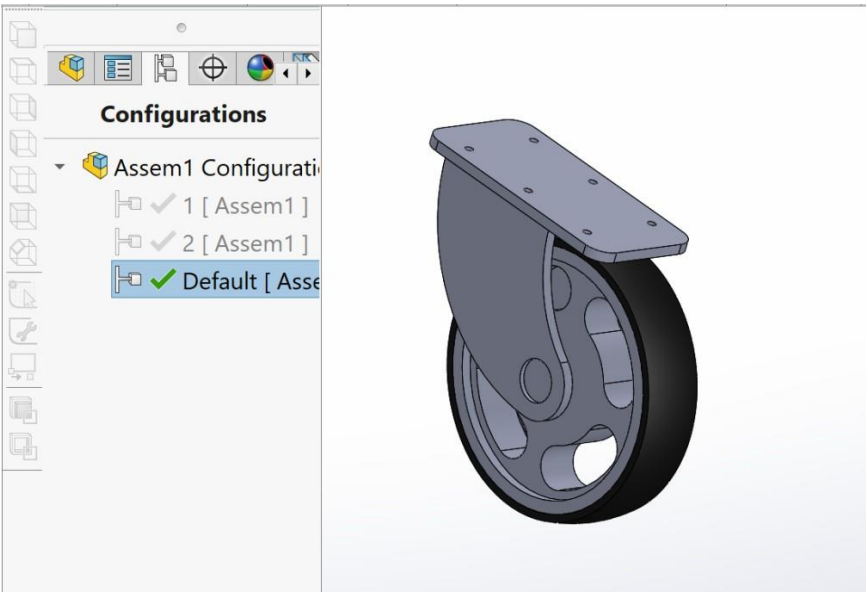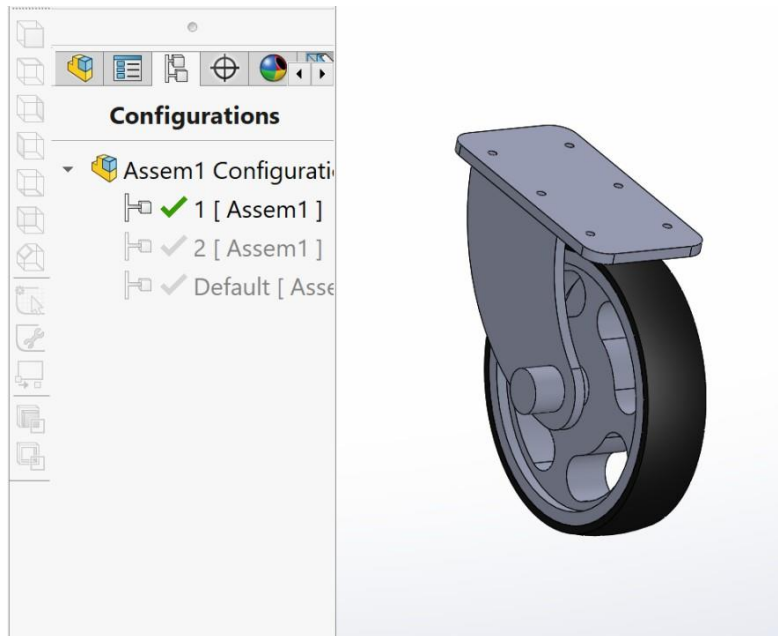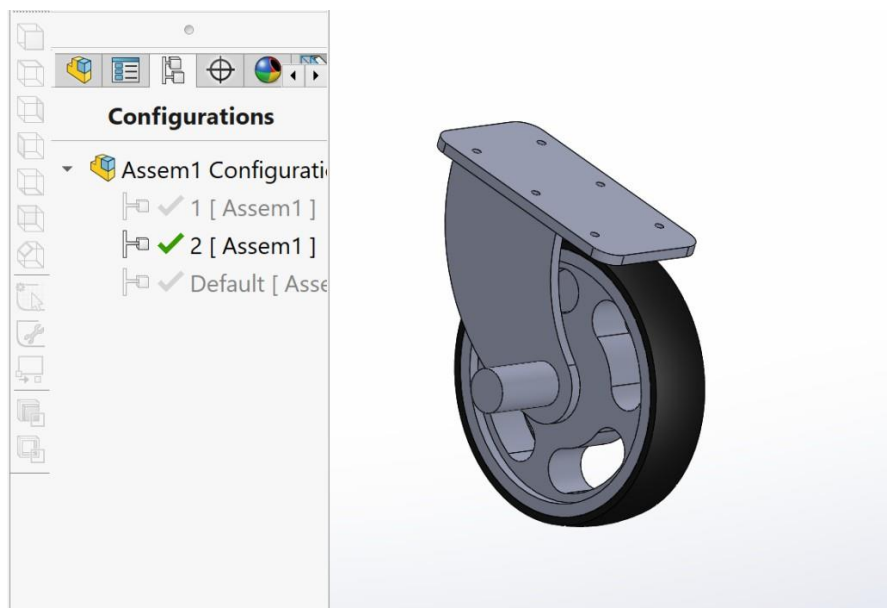# Configuration Assembly model Default model

Configuration 1

Configuration 2

Coordinate system