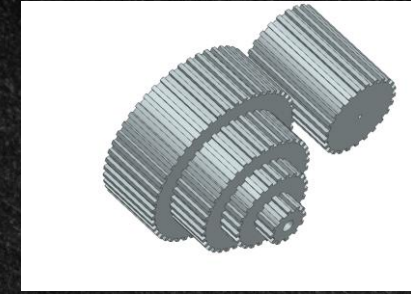


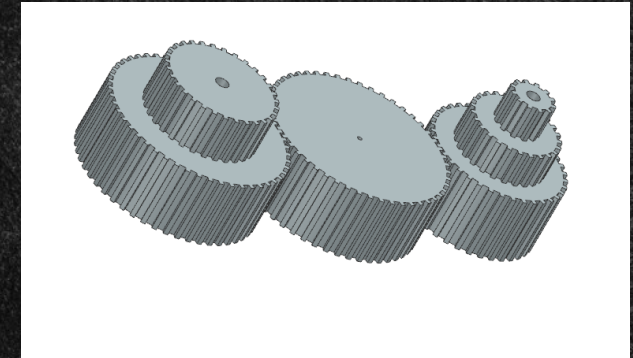
Problem Definition and Approach

In the world of automation the fact of minimizing costs is the focus of the industries, so we must extend the options the clients have to customize their gear train solution, so that adding new features, gears or customizing existing elements will be done in an easy way. The thing is what parameters we can define in order to make the solution as extendible as possible? The general idea we have is to provide the option to generate an arbitrary number of simple and compound gears. Furthermore, we implemented a plain text file so that the client can decide the size of the gears, the width and how they are deployed through the z and x axis, the number of teeth and the center of the gears. The final result will be shown in an animation form

Example 1



Example 2



Example 3

