The tools for stretching and scheduling all of our projects so we'll

have anywhere from 1 to with our segment and we'll have up to 30 projects and so with that we're sequencing in timing, scheduling each of the projects from start so a project starts with an idea or conception somebody's asking for a gadget or a project so that's the start of a project and then it'll work into the specification’s product development we’ll build a prototype will go into pre-production and then full

production the senior project engineer or the engineering managers are

responsible for managing the project via began terms as far as input we'll have the drivers or inputs from sales procurement our customers because they're asking for a product in a certain time frame our deal

organizations and then our design engineering group that would have input

to the management of the Gantt chart itself is usually a project engineer or senior project engineer information availability is probably the biggest thing so it it's not only understanding all the drivers and ask for our project you know so if we know the start and end date that's kind of the bookends the bookmarks of the of the Gantt chart but understanding the details between the start and finish and information availability is probably the biggest key with that our biggest challenge with now an advantage of Gantt chart shows is not just the single project a group may

be working on but the whole set the whole value stream, so we'll have

projects at different phases so anywhere from the start you know initial

specification to one that's in full production by having the Gantt chart

it's kind of stared sir stuff down and where it is showing the status of each project and where there in the development base but being able

to understand and give input into the different segments of the Gantt sure.