

Introduction to production planning in Delmia

Start Delmia

Open STATION_KOLLISION.CATProcess

Go to workbench **Device Task Definition**
is in **Resource Detailing**

Objective



We will not dive into Delmia not production planning. Since this is not the course for that



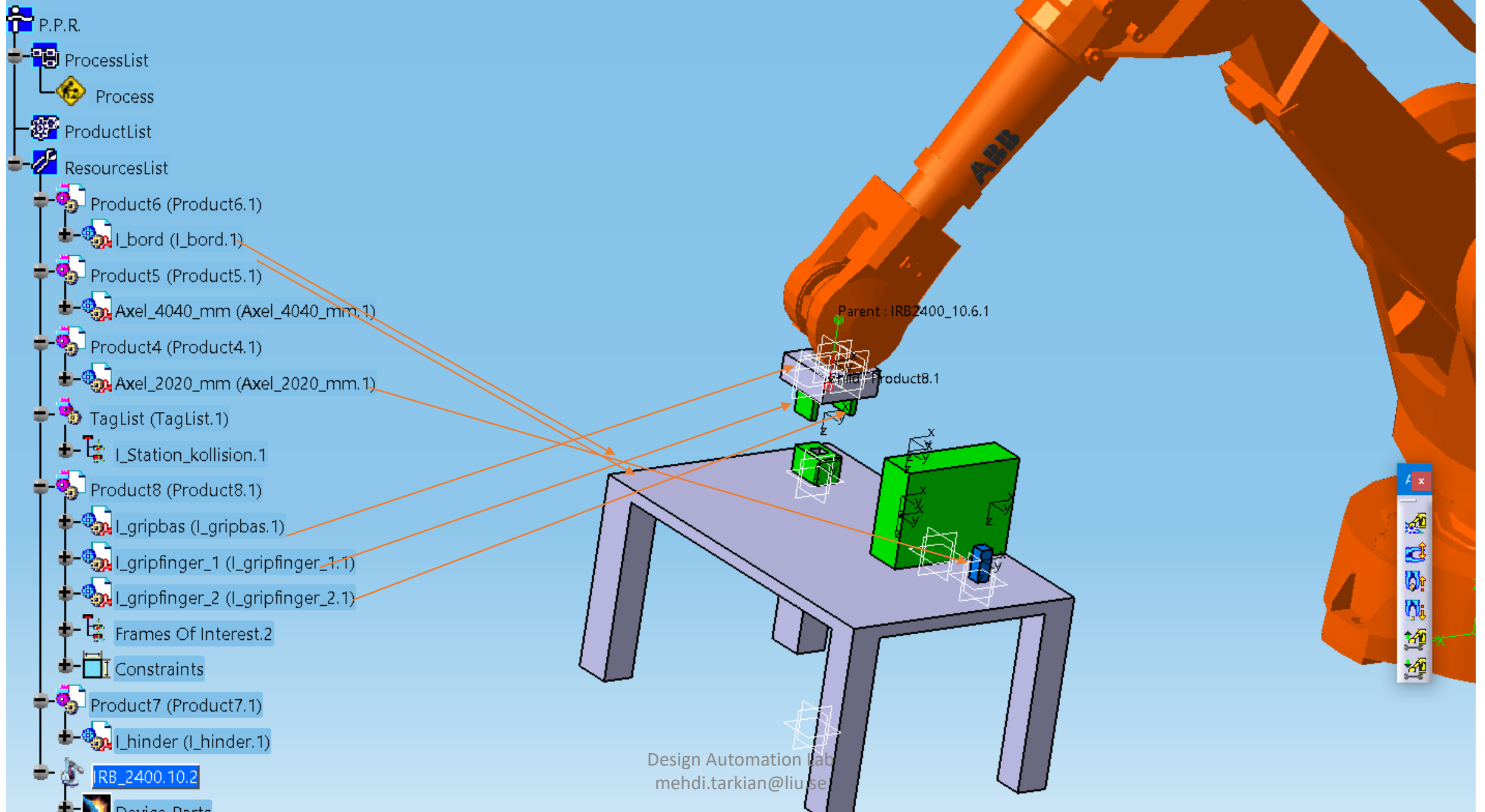
We will go through the essentials in order to understand the overall reasoning and basics

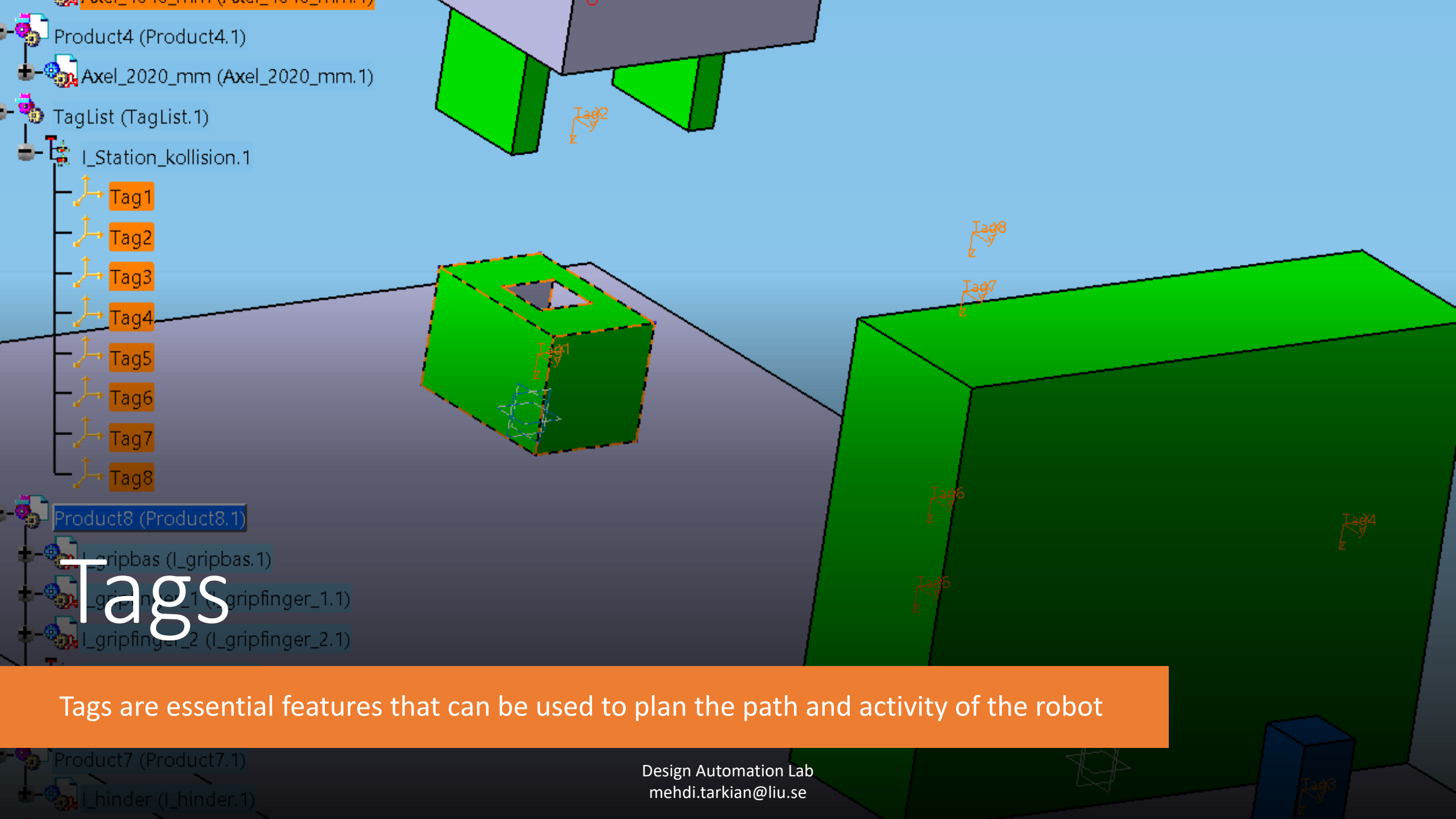


In the next tutorial we will go for automation of the production planning



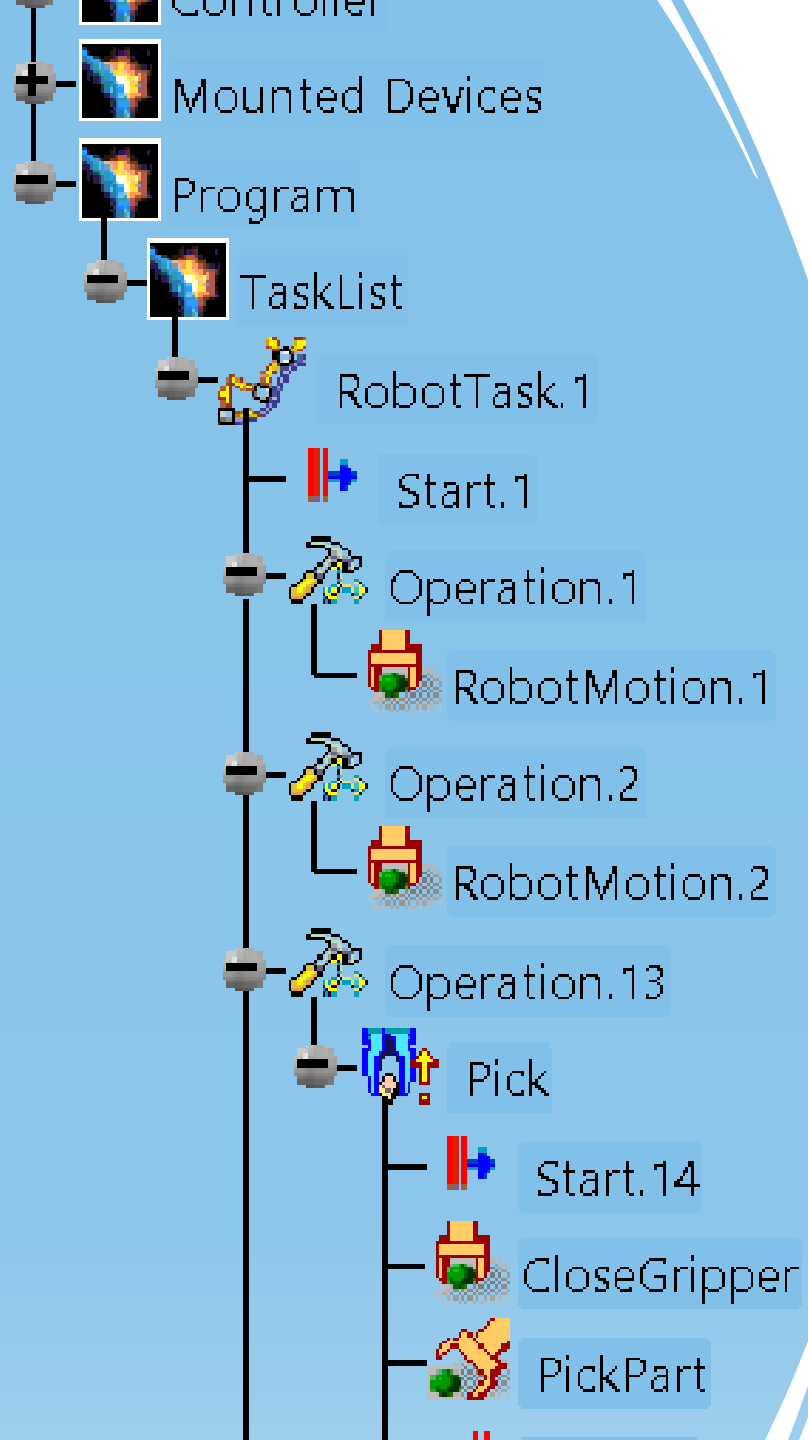
Overview





Tags

Tags are essential features that can be used to plan the path and activity of the robot

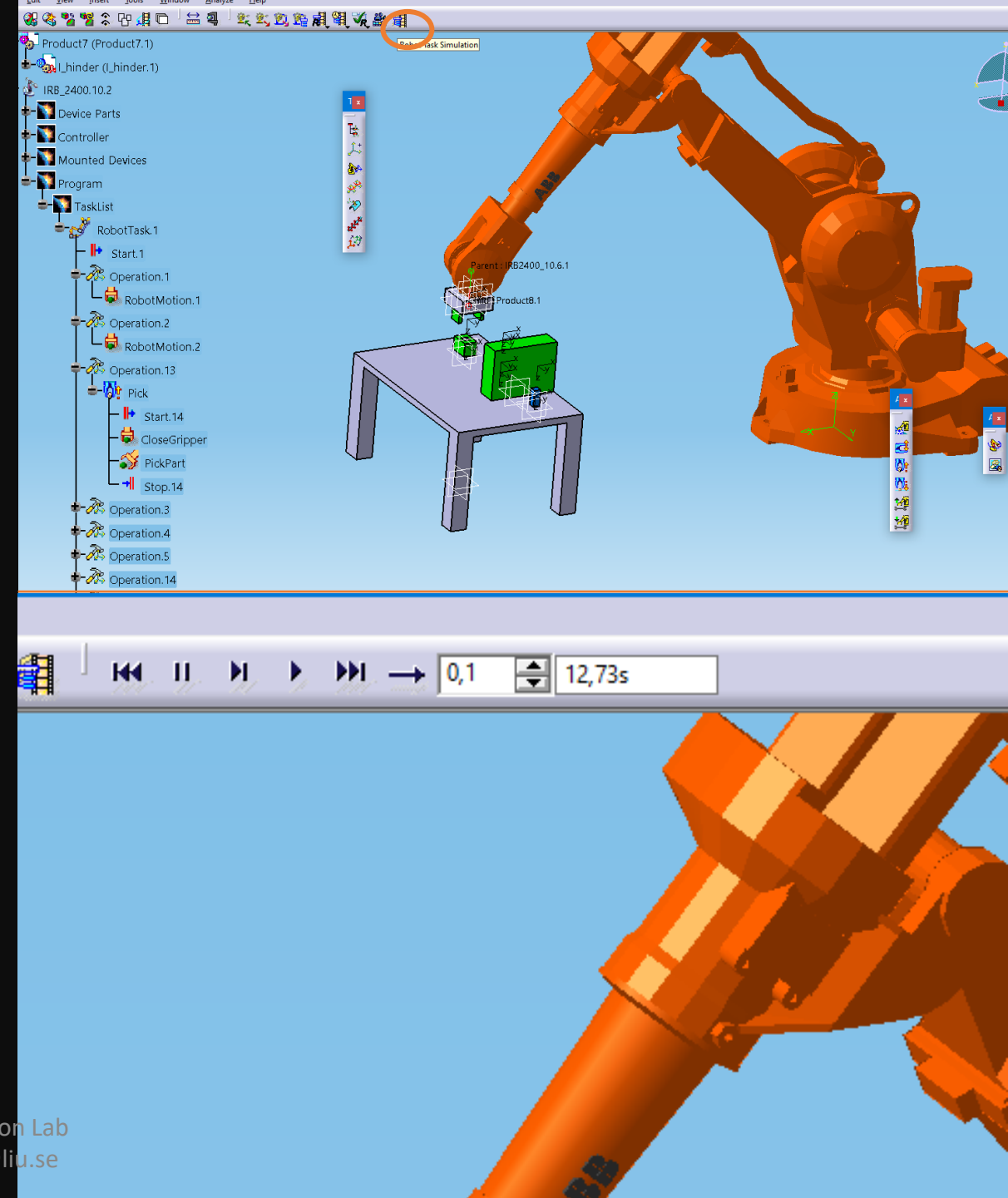


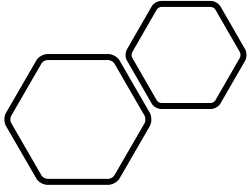
Task list, operations and motions

- In order to create a complete robot motion you need to have a
 - Robottask, under which you have 1 or several
 - Operation(s), under which you have 1 or several
 - Motion(s)

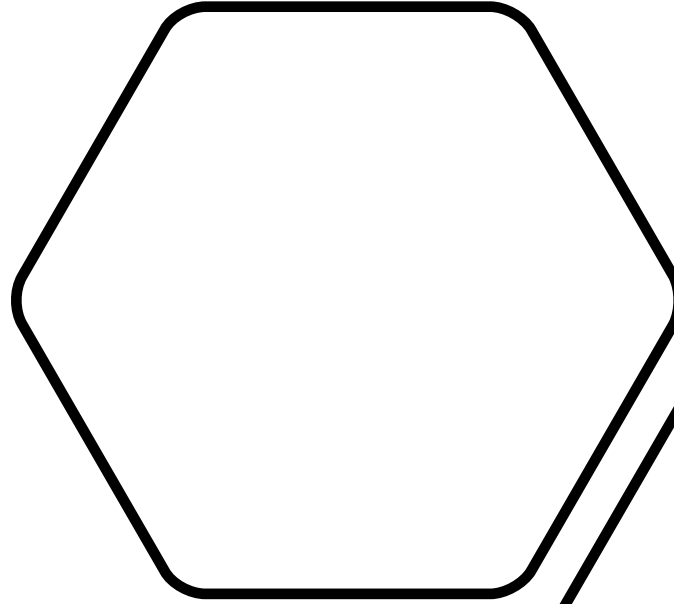
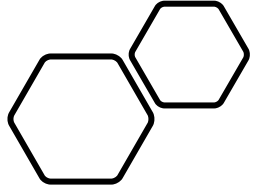
Running a robot motion

- Click on the Robot Task Simulation
- Select RobotTask.1
- Press play



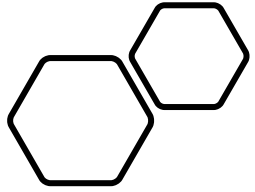


Basic Production Modeling



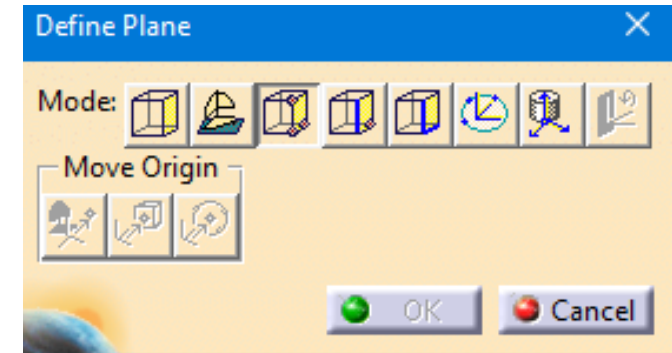
The dialog box is titled "Name : TagGroup". It contains a section labeled "Owner Management" with a sub-label "Owner Name" and a text input field. Below this is another text input field. A section labeled "Link Mode" contains two radio button options: "Locally" and "Modify Reference".

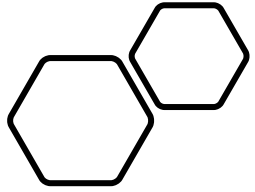
Creating Tag group



Creating a tag

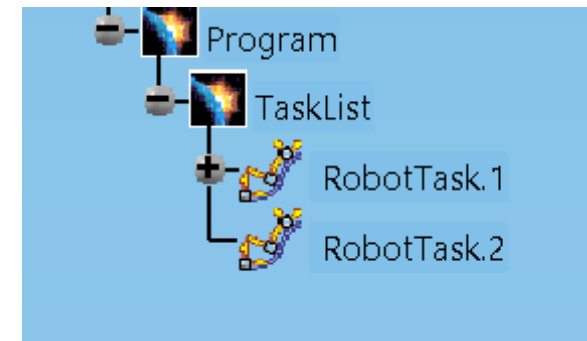
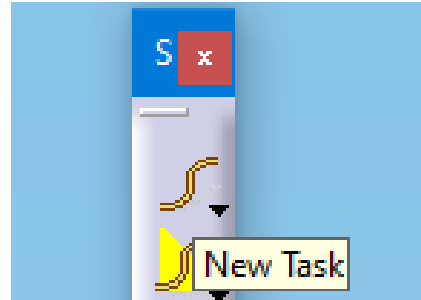
- Click on New Tag
- Select the created group
- Choose how to create the tag
- Simply click in where the tag should be placed

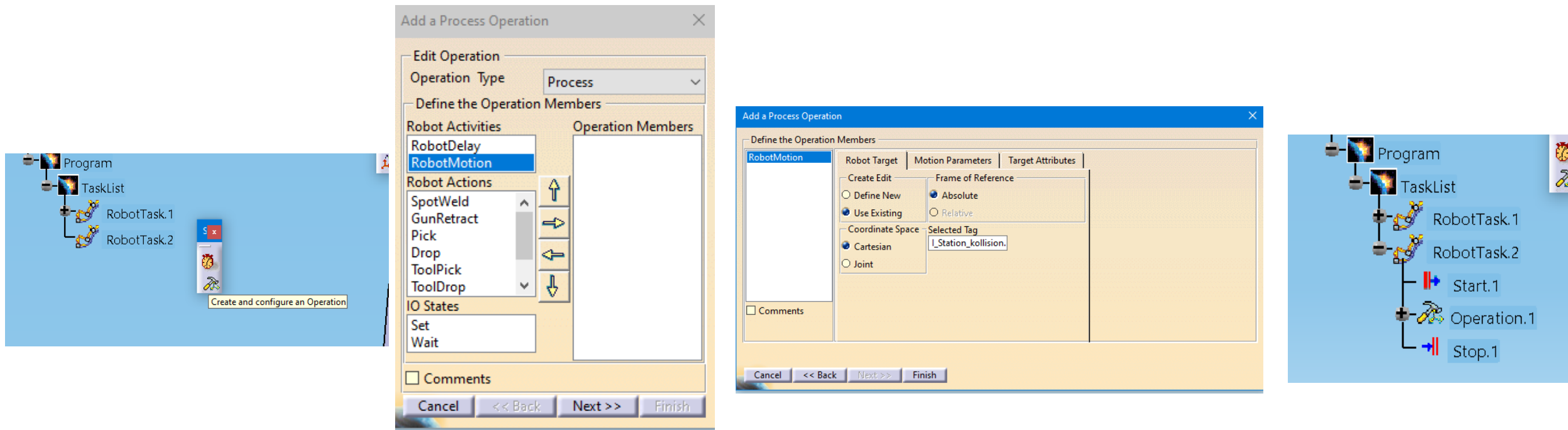




Create a new task list

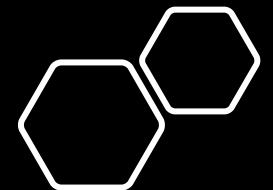
- Click on the icon for new task list
- Click on Program and the new task list will be created



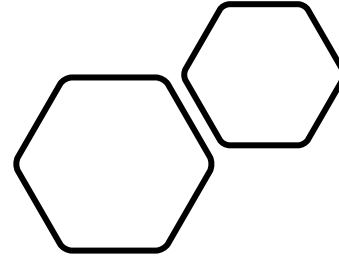


New operation and motion

- Click on the icon for creating a new operation
- Click on RobotTask.2
- Click and move over Robotmotion then click Next
- Chose Use Existing
- Chose a pre-defined Tag
- Press Finnish



Create a basic complete motion



- Before you start the next tutorial, try to make a complete motion using the tools described in this tutorial