## **Using Siemens NX 11 Software**

## **Surface Design - Cockpit**

Based on a YouTube NX tutorial<sup>1</sup>.



<sup>&</sup>lt;sup>1</sup>https://www.youtube.com/watch?v=dejTCzLt0k8

## 1 – Introduction.

- **Copy**/paste the *C*:\*Commun*\*NX*\*cockpit.prt* file into your local folder and open it.
- This file consists in a wireframe design by six curves of a cockpit.



## 2.a – First surface.

- Insert a Studio Surface by clicking on Menu→Insert→Mesh Surface→Studio Surface Studio Surface... N
- Select as first section curve, the left curve lying in the XY-plane.
- Then, click on the Add New set button
   of the Section (Primary) Curves field.
- Select as second section the curve lying in the XZ-plane.
- Check that the direction arrow has the same orientation as the one of the first selected curve. If not, double-click on the arrow in order to reverse its direction.
- You should get the shown surface.
- Click on the *Add New Set* button +, and add the last section curve; which is the symmetric of the first one w.r.t the x-axis.







- Select as *Guide (Cross) Curve* the front curve parallel to the YZ-plane (the half-ellipse), and click *OK*.
- This will make the surface follows the front curve.



3 – Closing the cockpit.	Part Navigator	
• Deactivate the <i>Studio Surface</i> by un-checking its check button in the <i>Part Navigator</i> .	Name 🔺	Up to Date
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In the same fashion, close the opposite • half-ellipsoid w.r.t. the YZ-plane.





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