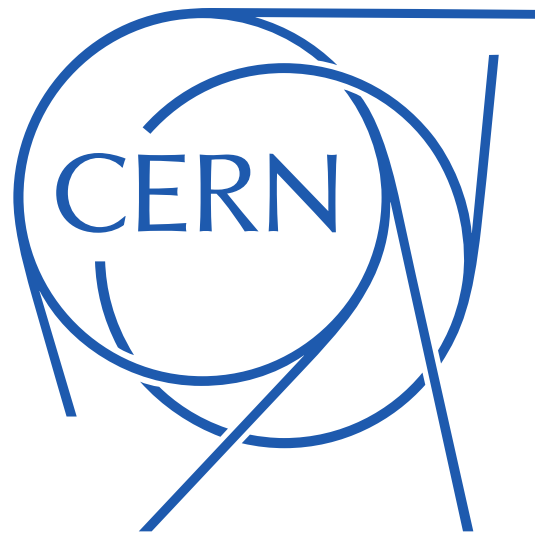


33th CERN CATIA Forum



Tips and tricks

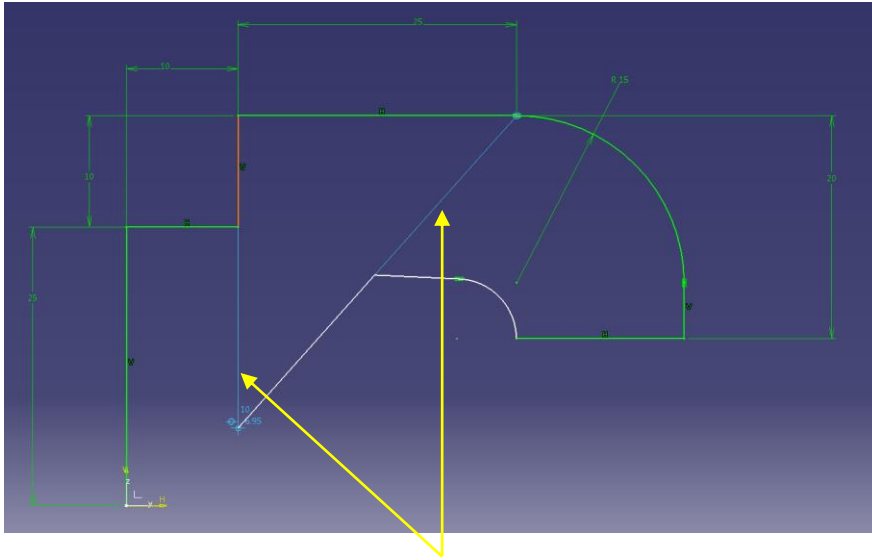
27.06.2019 – E.Urrutia for Kraftanlagen / Assystem

Table of content :

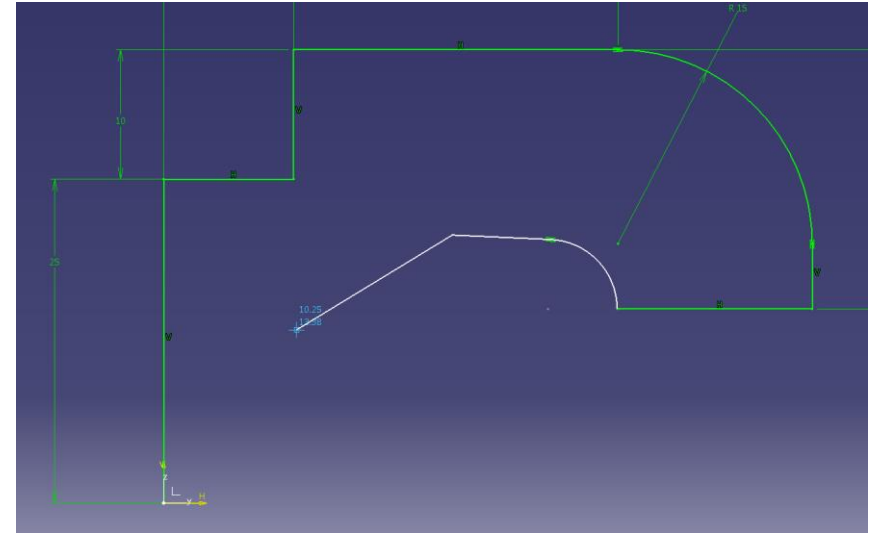
- Auto constraint mode deactivation during sketch edition
- Disconnect object fixed by invisible constraint
- Change team by default in Smarteam
- Projects shortcut for a save in Smarteam
- Assembly cut function


Auto-constraint mode deactivation during sketch edition

To avoid some inconvenience during sketch creation, the auto-constraint can be quickly disabled temporarily



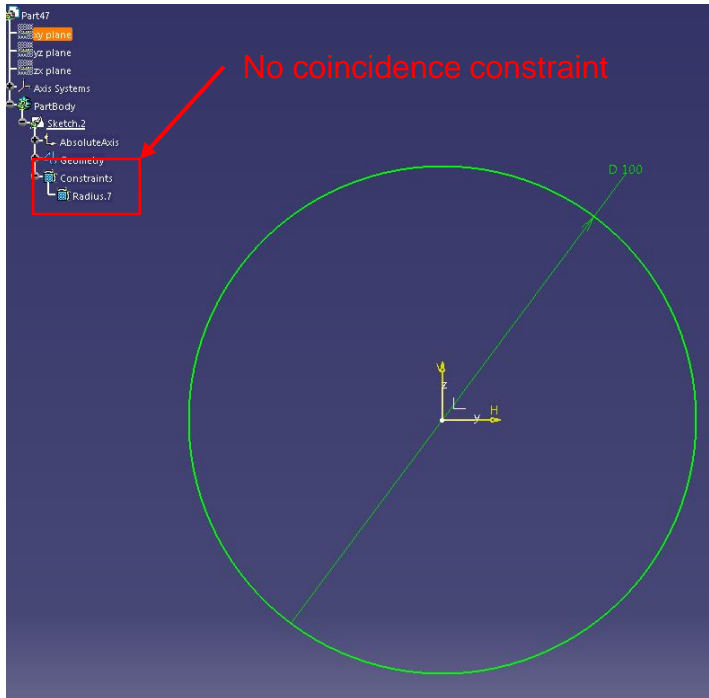
Automatic constraints detection and creation is often useful to design a shape
But in some case it can lead to unwanted constraints creation or inconvenience during manipulation



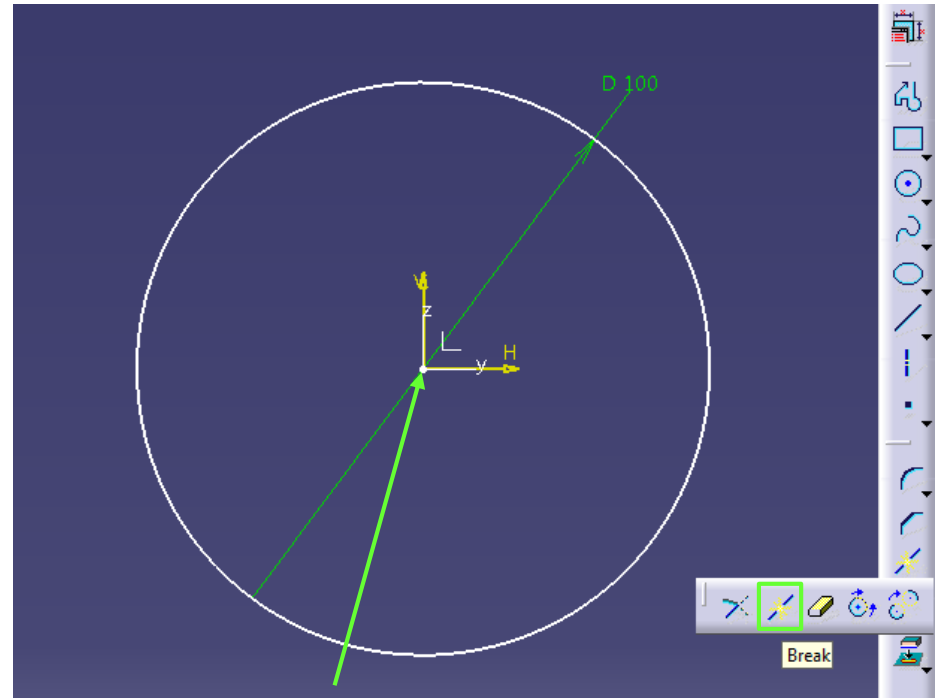
By clicking the  key during creation the option is disabled

Disconnect object fixed by invisible constraint

During sketch creation, objects fixed by an invisible constraint can be released



In this case the circle centre is fixed to the origin but no visible constraint exists



By using the Break function on the center point, it can be isolated

Change team by default in Smarteam

Change of team by default in Smarteam is possible when you save a part for the first time

The screenshot shows the 'Profile Card' dialog box for a 'CATIA Part'. It contains several sections: 'References', 'CATIA Information', 'SmarTeam Information', and 'Access Rights'. The 'Change Team' button is highlighted with a green box.



Class	Project Name	State	Created by
171	CAD-Te-Cryo		Mynarcik, Michal...
172	CAD-Training-Students		Lepottevin, Adm...
173	CAD-Vacuum		Lepottevin, Adm...
174	CAD-Workshop-Machining		Lepottevin, Adm...
175	CAD-atlas-nSGP		Paris, Maxence Athu...
176	CAD-clic-stabilisation		Garcia Camero, Mart...
177	CAD-eRMC-RMM-design		Peregrin, Cnsto...
178	CAD-en-dep-ati-tcd-all		Peregrin, Cnsto...
179	CAD-ouvrages_surface-integration		Mynarcik, Michal...
180	CAD_HF-RFG_DESIGN		Costa, Francisco...+4
181	CATIA-COLLIMATEUR-DESIGN		Garcia Camero, Mart...
182	CATIA-COLLIMATEUR-DESIGN		Garcia Camero, Mart...

Select the desired Team
+
OK



CS SmarTeam COM Services

You are saving using a different team than you used the last time. Do you want to set this team as default?

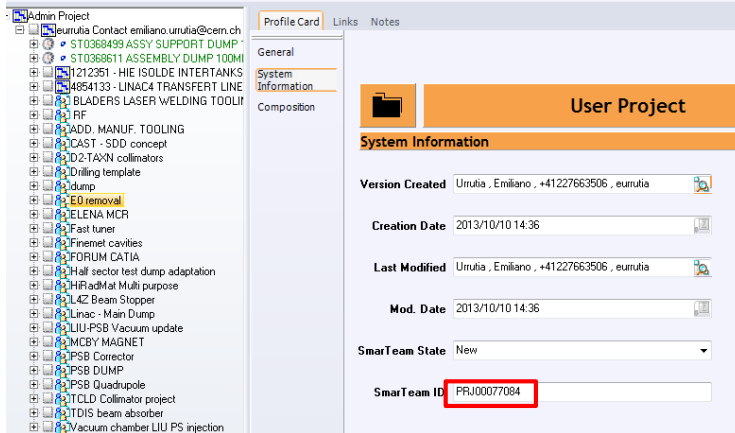
Yes No

A dialog box appears to ask you if you want it as Team as default

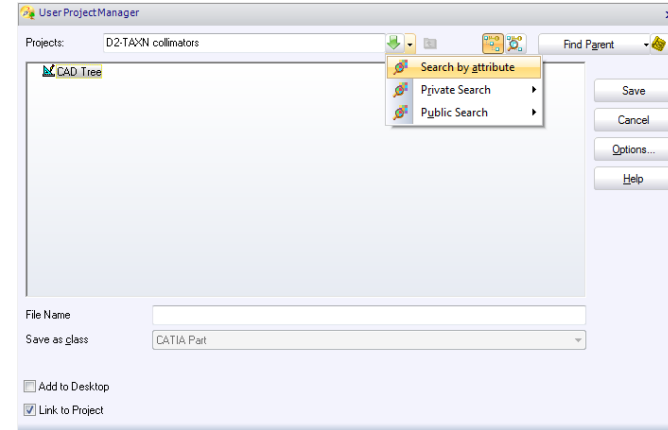
Before saving, click on change «Change Team»

Projects shortcut for a save in Smarteam

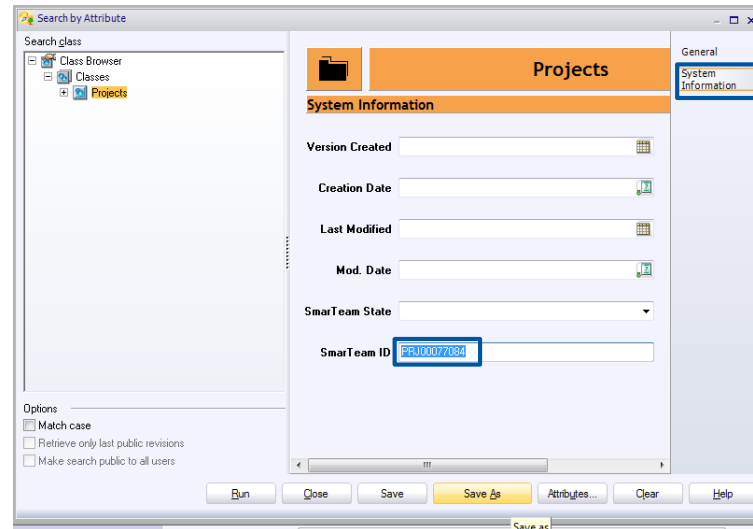
A savedproject search in Smarteam allows to gain time for future save operation in dedicated project



To perform a project search,
1. Copy the SmarTeam ID in the profile card

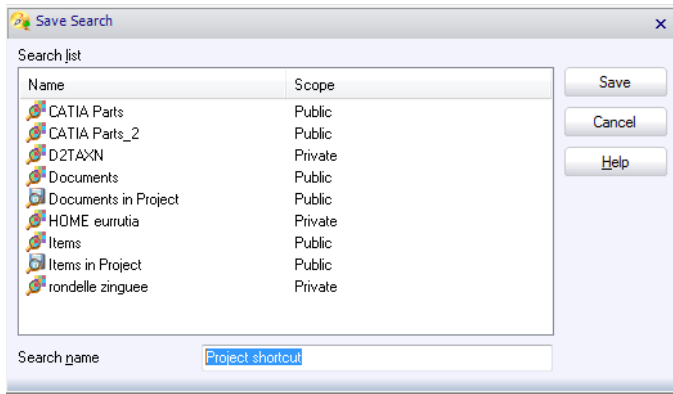


2. Select Search by attribute in the
SmarTeam save window



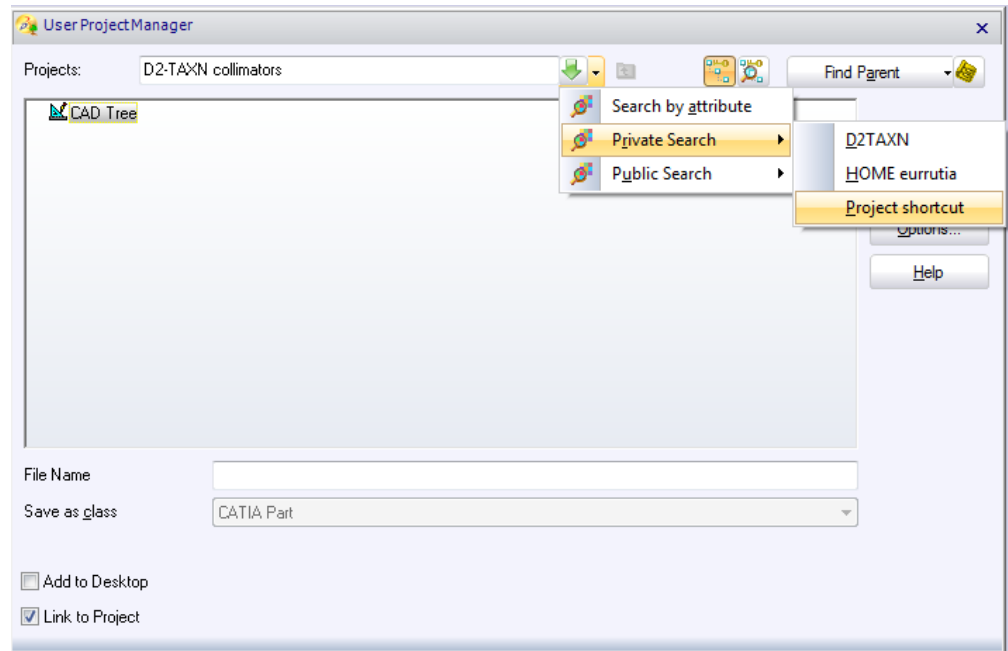
3. Paste the ID in the search window (System information
tab) + Save As

A savedproject search in Smarteam allows to gain time for future save operation in dedicated project



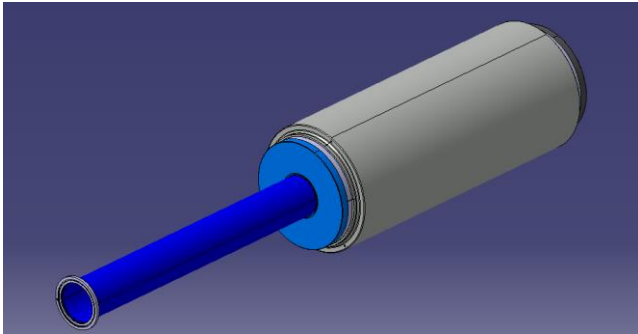
4. Name it as wanted in the Save search Box

5. You can now find it in the private search tab for future save operations

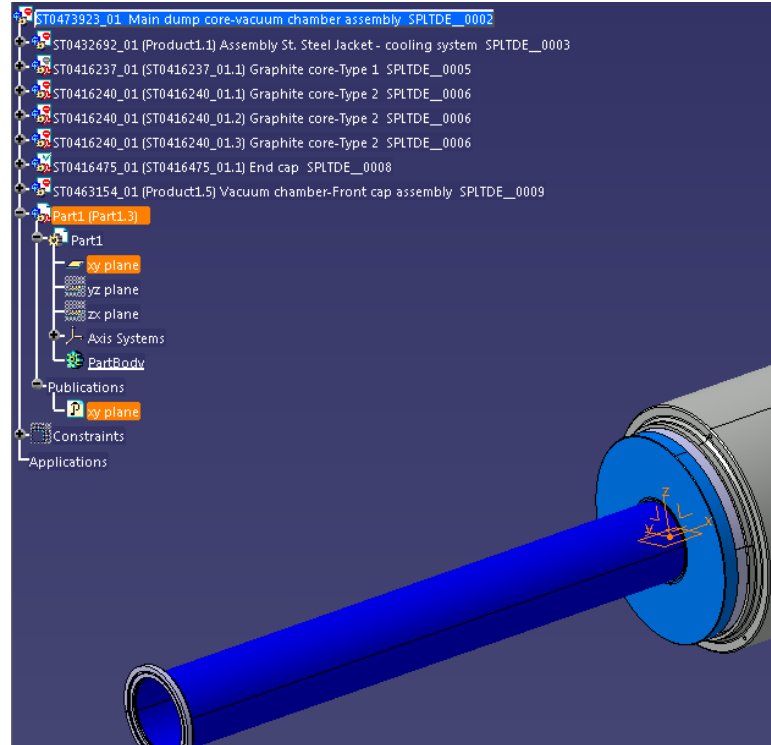


Assembly cut function

For visual representation in assembly a cut on some part can be helpful to visualize specific things



Open the assembly or sub-assembly you want to edit

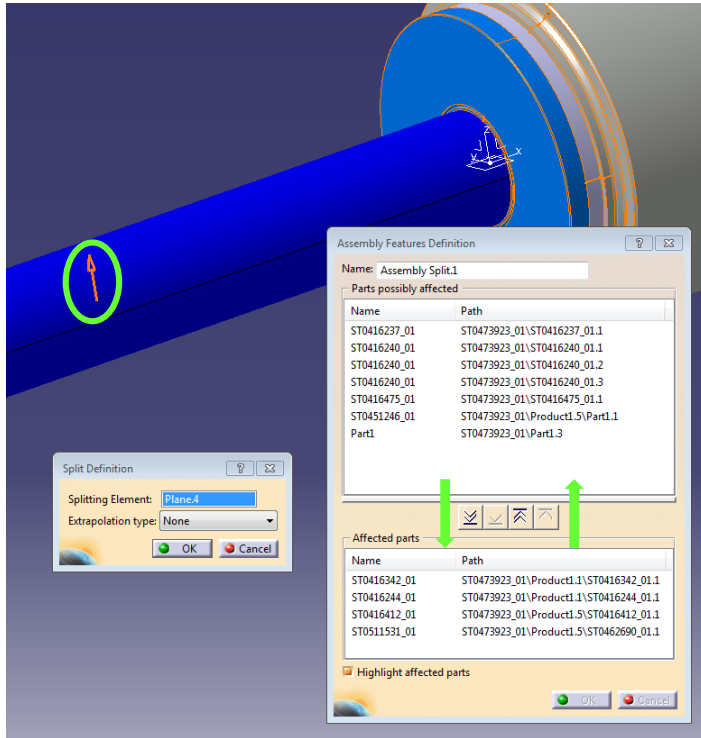


Create a new part which contains the cutting element.
This element must be published

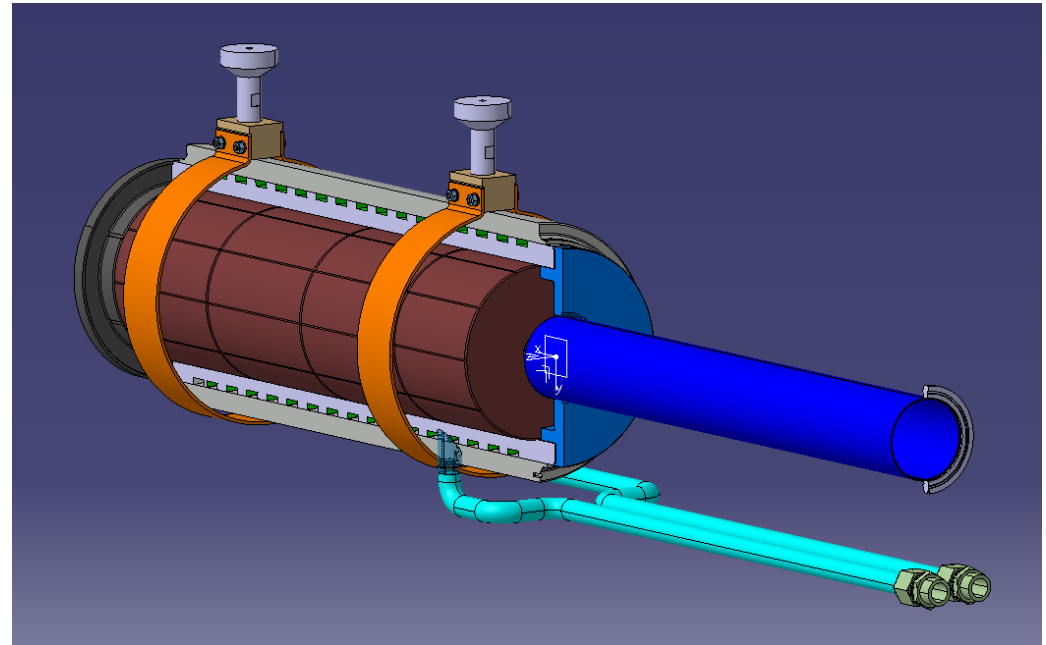


Select the Split tool

For visual representation in assembly a cut on some part can be helpful to visualize specific things



- Select components you want to be cut and those you want to keep
- Select the cutting direction
- Click OK



You can now visualize the assembly with some parts cut as you need