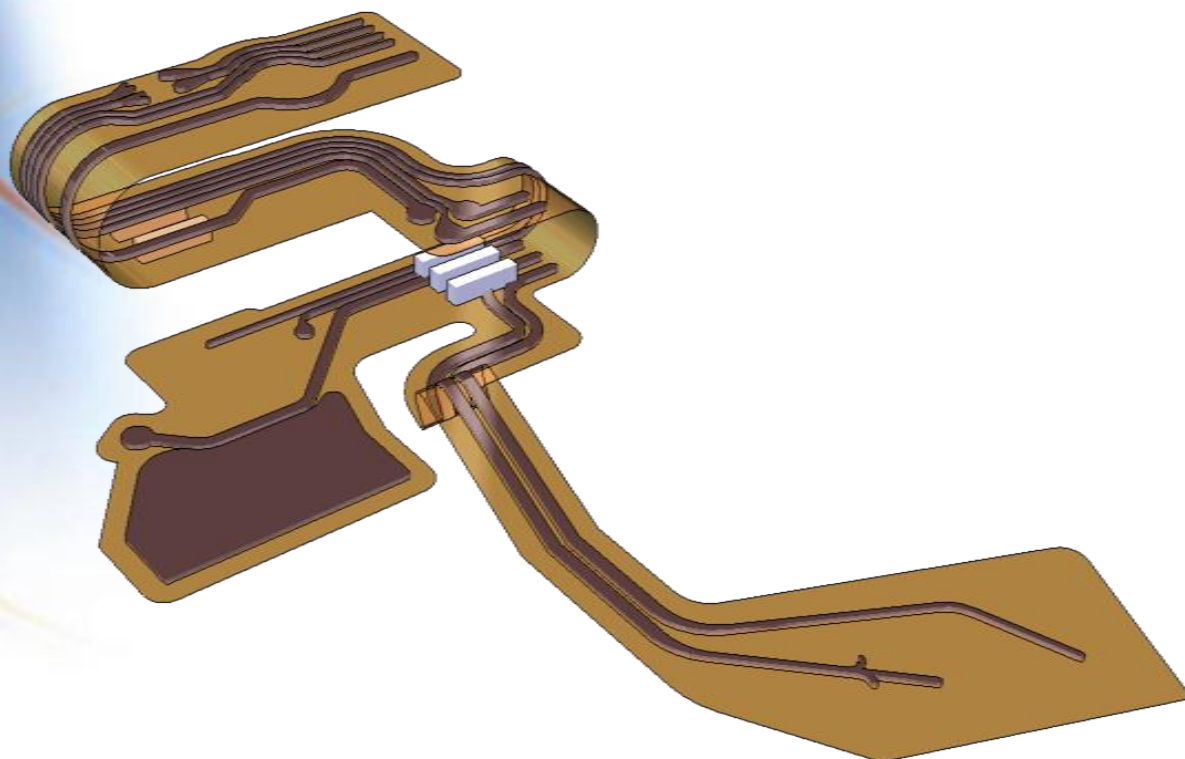


# Flexible PCB Automation (FP9)

**BPA Delivery 6 for V5R19 (V5.6)**

## ***Installation Guide***

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# ***Introduction***

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This document describes the installation procedure for the Flexible PCB Automation BPC.

## ***Related Documentation***

- CATIA V5 – Installation Guide
- CATIA V5 – Generative Sheetmetal Design User Guide
- CATIA V5 – Circuit Board Design User Guide
- Flexible PCB Automation (FP9) Implementation Guide
- Flexible PCB Automation (FP9) user Guide

## ***Prerequisites for Flexible PCB Automation Installation***

CATIA V5R19 installation is the main prerequisite for Flexible PCB installation.

The Flexible PCB Automation BPC is based on CATIA V5's advanced sheetmetal design features, as well as printed circuit board design features.

It requires the installation of the following CATIA V5R19 workbenches:

- **CATIA Generative Sheetmetal Design**
- **CATIA Circuit Board Design**

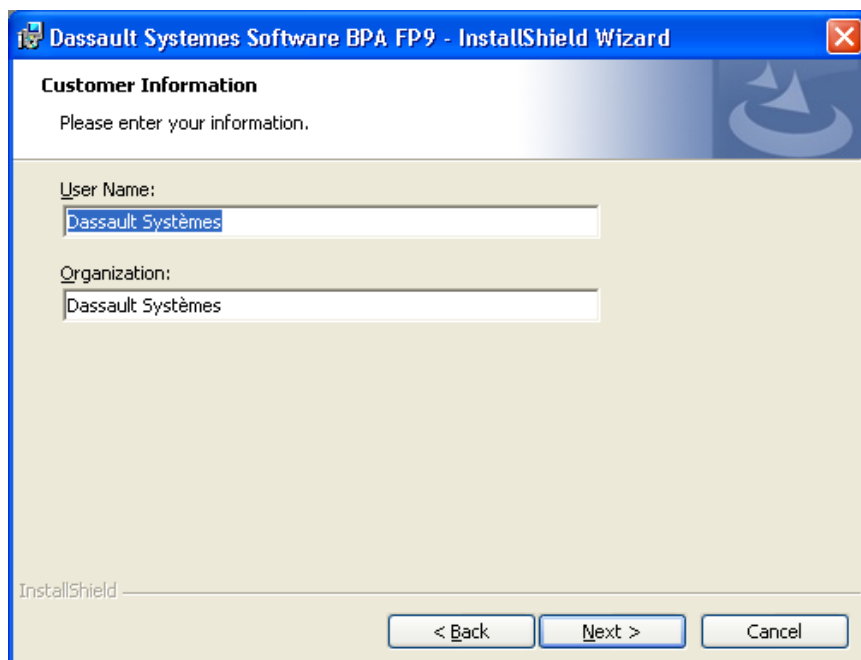
# Flexible PCB Installation

The Flexible PCB Automation BPA does run on both Windows 32 bits and 64 bits operating systems. The installation procedure is the same on both platform, and will be managed accordingly.

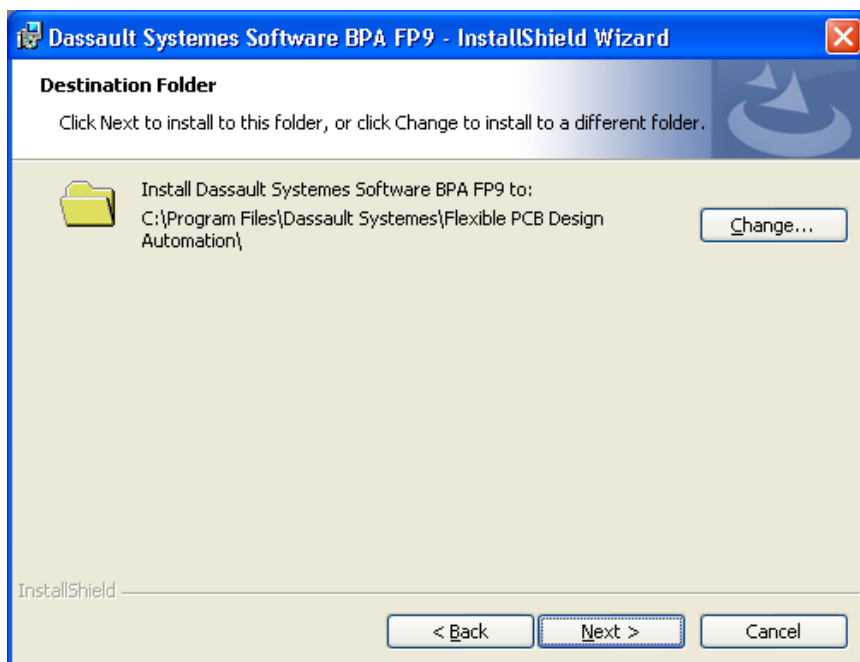
1. Launch Setup.exe



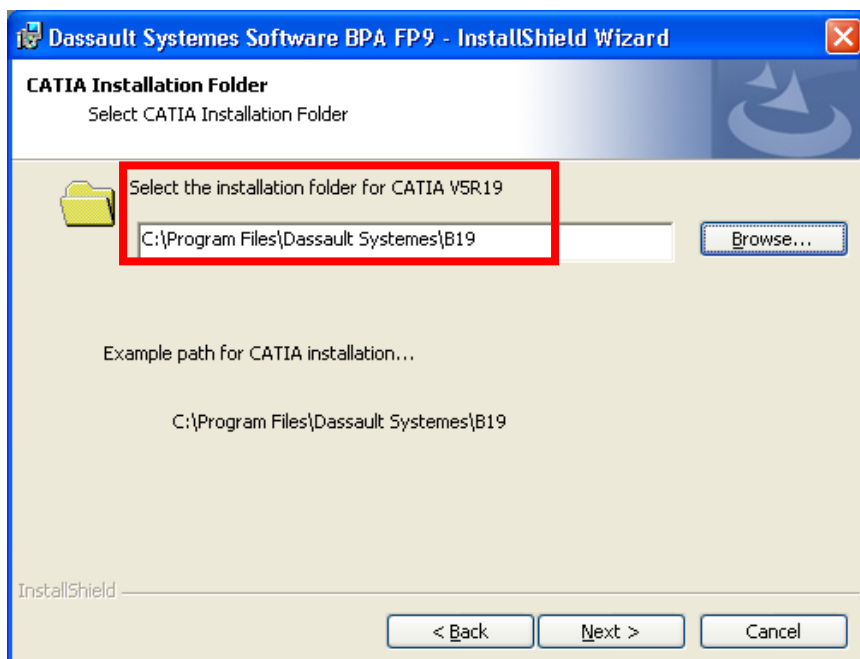
2. Click Next



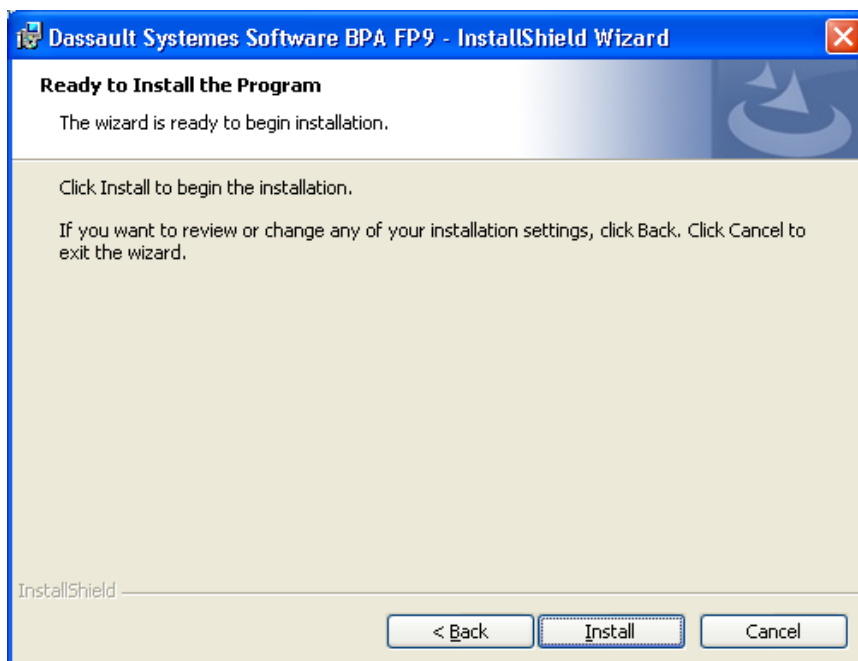
3. Fill Correct User Name and Company Name
4. Click Next
5. Choose Flex PCB code Location



6. Click Next
7. Select CATIA V5R19 Installation Path



## 8. Select Next



## 9. Select Install



## 10. Select Finish

Administrators also have a choice to install/uninstall the BPA through command prompt window

Commands options for msixec

- /i install
- /x uninstall
- /a admin installation.

The msixec can be used to run the installer in different modes like

- silent mode /q
- basic ui mode /qb
- full ui mode

Also msixec logs the progress of an installation which is useful to detect errors if any during installation

- Msixec [.msi file name ] /!v [log file name]

**Example:**

```
msixec /i "D:\Installables\intel_a\Dassault Systemes Software BPA FP9.msi" INSTALLDIR="C:\Program Files\Dassault Systemes\Flexible PCB" DASSAULT_SYSTEMES_BXX="D:\Program Files\Dassault Systemes\B19" /!v C:\Log.txt /qb
```

**Where in:**

PROPERTY NAME	PROPERTY Value	Example
INSTALLDIR	The Installation Directory for the application	"C:\Program Files\Dassault Systemes\Flexible PCB"
DASSAULT_SYSTEMES_BXX	The Installation Directory for the CATIA application (upto Dassault Systemes\B19)	"C:\Program Files\Dassault Systemes\B19"



# License Management

Flex PCB Design Automation requires a license.  
Versions 5.6 or higher need IBM LUM (License Use Management) application.

To ask a license, the following information must be provided:

- Product Name: This is the BPA trigram.
- License Type: Nodelock or concurrent.
- Number of License: 1 for Nodelock , >0 for Concurrent
- LUM targetID: Provide the target id (run i4target in a DOS window)
  - On Client side for Nodelock
  - On Server side for Concurrent

On receiving the license:

- For Nodelock type of license
  - Modify/ Create Nodelock file by inserting necessary information (VendorID, ProductPassword ) - See Appendix A
- For Concurrent type of license
  - Enroll the license on the LUM server - See Appendix B

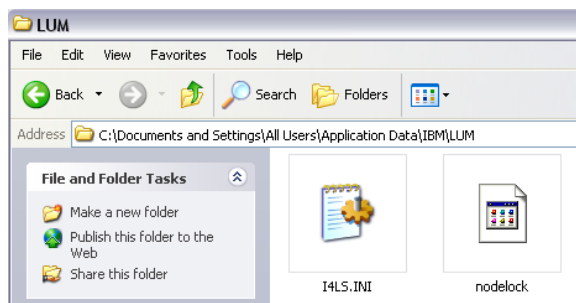
## Appendix A : Creating a Nodelock file

Nodelock file : how to proceed

You should input yourself the parameters of your License into the nodelock file (create it if doesn't exist)

- This file is located in C:\Documents and Settings\All Users\Application Data\IBM\LUM\nodelock
- You should extract from the .lic file the following informations :
  - VendorID (looks like an UUID)
  - ProductPassword (a crypted key)
  - ProductAnnotation (should be unset)
  - ProductVersion (should be set to 1)
- And insert them in nodelock file by respecting the order
  - # comment : put your BPA trigram and its range date
  - vendorID ProductPassword ProductAnnotation ProductVersion

Example:



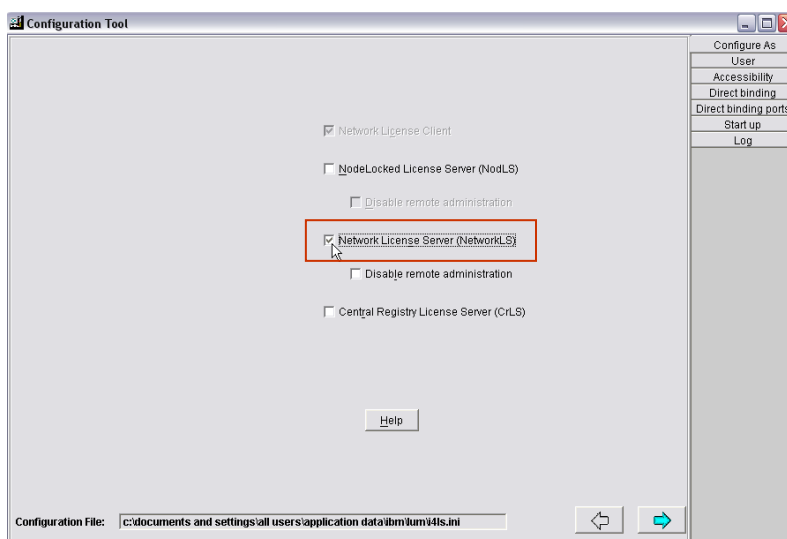
```
# CP9 from 15-Jul-08 to 14-Jul-09
c6c8ef44bcb7.4a.74.95.13.1f.00.00.00 r8ezikjzgsvk9fzf7fe3p2gn3eaa "" "1"
```

## Appendix B : Enrolling a Concurrent license on the Network license server

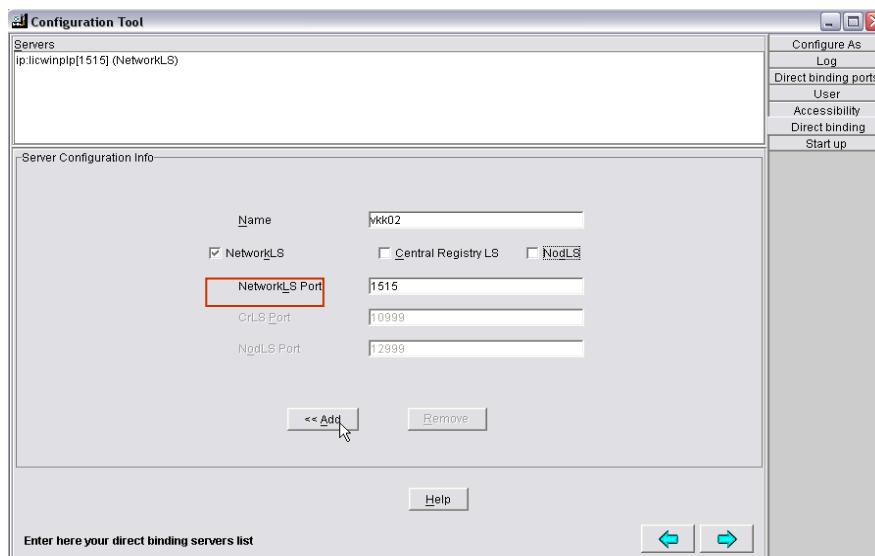
Setting up the Network License server:

Start > Programs> License Use Runtime > Configuration tool

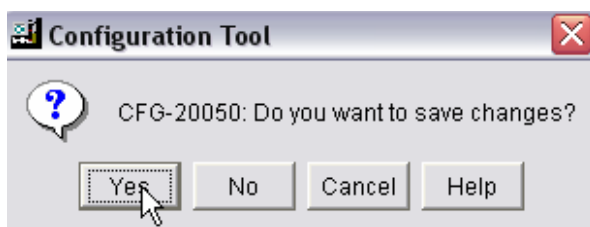
- Stop the service if needed using the Service Manager Tool.
- Ensure that the option for Network License Server is selected



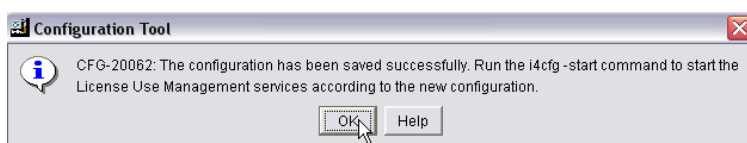
- Switch to the Direct Binding tab.
- In the Name field enter the machine name
- Check the box for NetworkLS and click on Add button





- Close the Configuration Tool window and validate accepting the changes



- Pass the message to restart the service (if previously it was stopped)

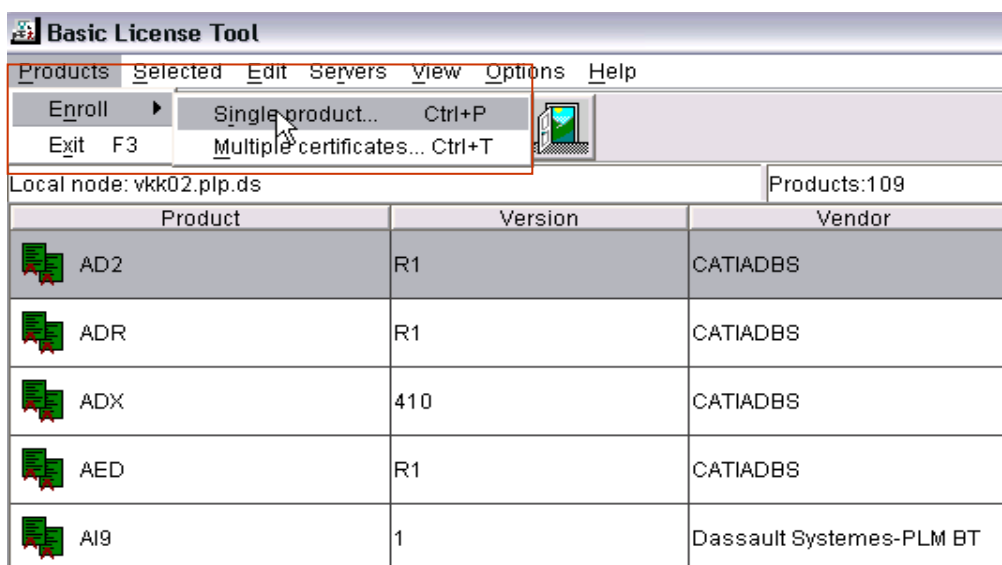


Service Manager Tool			
Service Selected Options Help			
Name	Status	Description	
 I4LLMD.EXE	Started	Nodelock License Server	
 I4LLMD.EXE	Started	Network License Server	

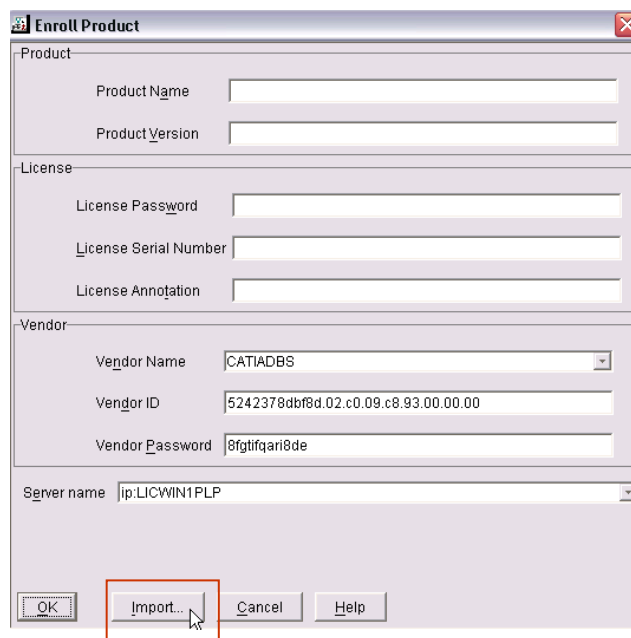
## Enrolling the Concurrent License

Start > Programs> License Use Runtime > Basic License Tool

- Select Product / Enroll/ ....
  - Choose Single or Multiple depending on whether you want to enroll a single or multiple licenses at a time.



- Click on Import button



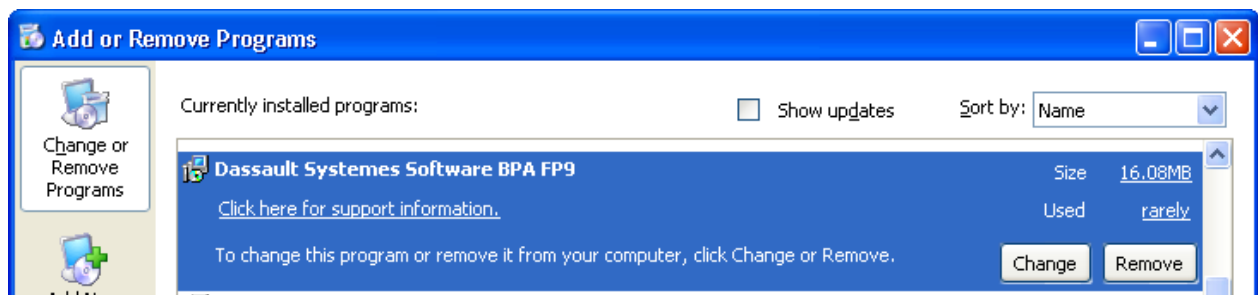
The image shows a screenshot of the 'Enroll Product' dialog box. The dialog has a title bar with a close button. It contains several sections: 'Product' with fields for 'Product Name' and 'Product Version'; 'License' with fields for 'License Password', 'License Serial Number', and 'License Annotation'; 'Vendor' with a dropdown for 'Vendor Name' (set to 'CATIADBS'), a text field for 'Vendor ID' (containing a GUID), and a text field for 'Vendor Password' (containing a key). Below these is a 'Server name' dropdown (set to 'ip.LICWIN1PLP'). At the bottom are four buttons: 'OK', 'Import...' (highlighted with a red rectangle and a mouse cursor), 'Cancel', and 'Help'.

# Un-installing the Flexible PCB Automation application

Un-installation must be run:

## from the Control Panel -> Add or Remove Programs

1. Select the *Dassault Systemes Software BPA FP9* application, and click on "Remove"



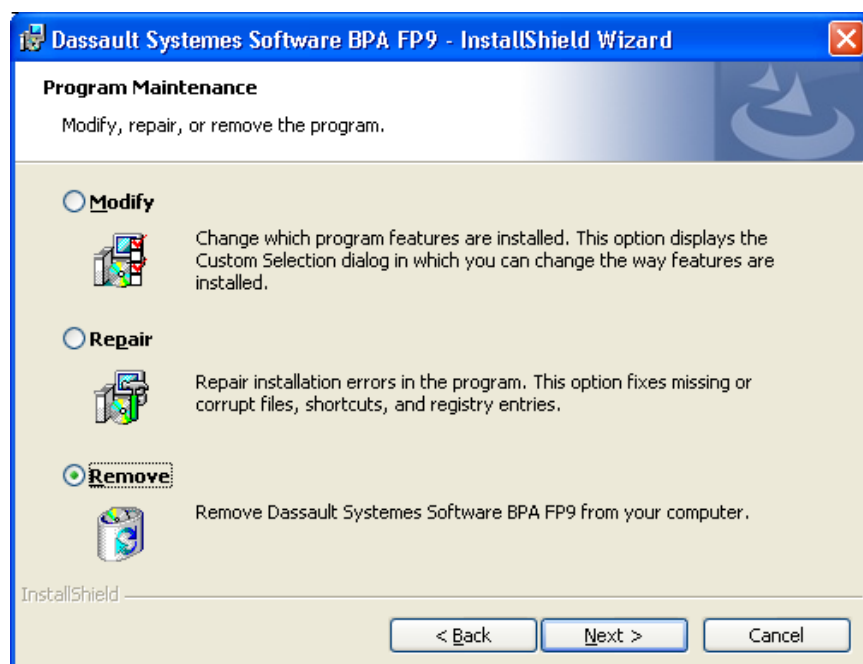
2. FP9 BPA is un-installed.

## from the FP9 installer

1. Launch Setup.exe



## 2. Select Next



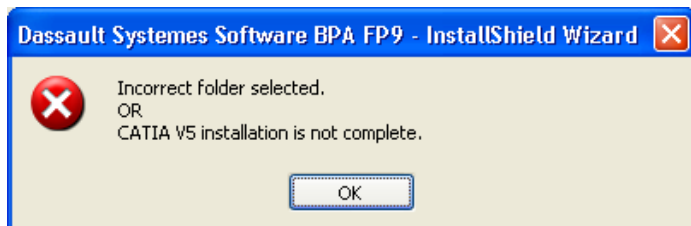
## 3. Select Remove and then Next

## 4. FP9 BPA is un-installed.

# Troubleshooting

## CATIA V5 installation not complete

If, at step 8.0 of the installation procedure, the following error message appears:



Please make sure that you defined the appropriate path for the CATIA V5R19 installation in the following window:

