

# Filter DLL project - Examples

Along with document comes a VisualStudio .Net 2003 C++ project. You can load it and compile it as-is or you can read the relevant files.

The only skills you need is a good command of the C-Language. You may ignore the C++ parts.

## ***Files Listing***

### **Home Directory:**

|                         |  |
|-------------------------|--|
| <i>JsChPosrProc.dll</i> | Filter DLL file (Demo)                 |
| <i>Example1.exe</i>     | Example of how to use filter DLL files |
| <i>Filters.dsw</i>      | VC++ Project work space                |

### **Example1 Directory:**

VC++ environment for compiling an example of how to use filter DLL files.

|                     |                                  |
|---------------------|----------------------------------|
| <i>Example1.c</i>   | C source                         |
| <i>Example01.h</i>  | Header file for Example1 project |
| <i>Example1.dsw</i> | Project workspace                |
| <i>Example1.dsp</i> | VC++ Project                     |

### **JsChPostProc Directory:**

VC++ environment for compiling a demo filter DLL.

|                         |   |
|-------------------------|---|
| <i>JsChPostProc.cpp</i> | DLL C++ source code                       |
| <i>JsChPostProc.h</i>   | DLL header                                |
| <i>JsChPostProc.def</i> | Interface definition file                 |
| <i>JsChPostProc.rc</i>  | Resource file – used to keep version data |
| <i>Resource.h</i>       | Used by JsChPostProc.rc                   |
| <i>StdAfx.cpp</i>       | Calls StdAfx.h                            |
| <i>StdAfx.h</i>         | Standard VC++ header                      |
| <i>JsChPostProc.dsw</i> | Project workspace                         |
| <i>JsChPostProc.dsp</i> | VC++ Project                              |
| <i>JsChPostProc.clw</i> | Class data                                |

## ***How to use these files***

If you have an appropriate compiling environment, you may start with compiling the files. If you don't, there is still a lot of data you may acquire by inspecting the files.

### **Creating a new filter DLL:**

You may compile project *JsChPostProc* to create file *JsChPostProc.dll* or create your own environment based on this one.

cases you will have to make the following modifications in file *JsChPostProc.cpp*:

**Convert... functions:** You will have to write your own filter function(s). Follow the examples of *ConvertEskyCCPM*, *ConvertVTail* & *ConvertDeltaWing*.

**ListOfFilters[]:** This is a list of supported filters. Add or remove filters according the existing example.

Do not forget to add the appropriate declarations in file *JsChPostProc.h*

### **Testing your filter DLL:**

To test your filter DLL, use file *Example1.exe* as-is or modify it to your needs. This file is also a good way to understand the mechanisms used by SmartPropoPlus.