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4.10.2010

Integration of external programs into the main frame of the application

- The integration of external programs is accomplished by using the class FormNestedExe. This class is located in the file „Beckhoff.App.Essential.dll" which is normally located in the directory "plugins". From FormNestedExe to an instance must be created (see "Menumanger " documentation).
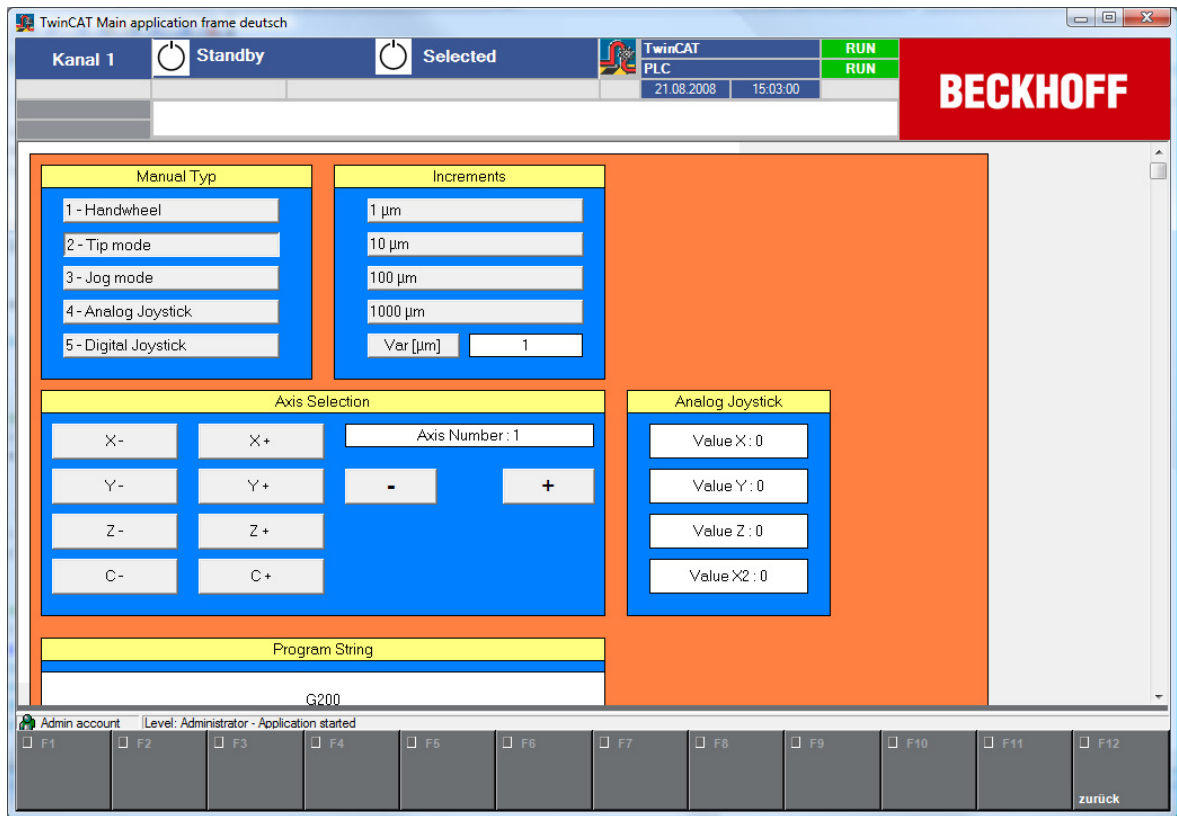
- Example: Instance Name „formVisu":

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- After the first call, the EXE name and Pararamter for the call can be enter:

```
┌─Setup────────────────────────────────────────────┐
│ Programm                                          │
│ C:\TwinCAT\Plc\TCatPlcCtrlHmi.exe            #    │
│                                                   │
│ Parameter                                         │
│ "C:\Projekte\aktuelle PLC Projekte\NCI\TwinCAT_NCI_PLC.pro │
│                                                   │
│ WindowsTitle (optional)                           │
│ IGEMS R9                                          │
│                                                   │
│ ☑ Applikation immer im Vordergrund                │
│                                          ┌──────┐ │
│                                          │  OK  │ │
│                                          └──────┘ │
└───────────────────────────────────────────────────┘
```

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- Here, the "TwinCAT PLC HMI" is entered from the supplements and as a parameter the current PLC project.

- The optional input "Windows Title (optional)" is optional for external programs where the call does not work. It can be used to enter the window name of the external applications. It then attempts to embed the program names of the window in the frame.

- With the checkbox "Applikation immer im Vordergrund"(Application always on top) can be enforced that the application brings up again and again in the foreground and the input focus reserves.

- After confirming by clicking OK, the Visu TC_VISU is executed from the PLC project from within the application framework.

- Clicking into the area just below the hosted application together with <CTRL> <ALT> allows you to change the setup.

- Whether an external application can be hosted, can not be guaranteed (try out).

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- Shown here: Target Visu within the application.

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- Here the System
  Manager: