Installation
CarF

LuArtX IT GmbH | Otto-Lilienthal-Str. 36 | 71034 Böblingen
Tel +49 7031 304748-89 | support@luartxit.de | www.luartxit.de

Seite **1** von **22**

Content

1.)   General

CarF is an application for MicroStation, i.e. that MicroStation must always be installed before CarF.

The following applications will be installed with CarF:

- Conveyour- layout
- Tractory curves
- Steel platforms
- Paintshop
- Facility layout
- Chipping conveyour
- Quality check
- Toolkit
- Infrastructure

Supported MicroStation Versions:

• MicroStation Connect (Update 10) with Windows 10, Version 1809
• MicroStation V8i (SELECTseries 4) with Windows 7 / 8.1 and Windows 10
• MicroStation V8i (SELECTseries 10) with Windows 10

Supported Excel Versions:

• Office 2013, 2016 and 2019

Download Software:

https://carf.luartxit.de/download.php

(Login required)

Support:

LuArtX IT GmbH
Softwarezentrum Böblingen/Sindelfingen e.V.

Otto-Lilienthal-Straße 36
71034 Böblingen

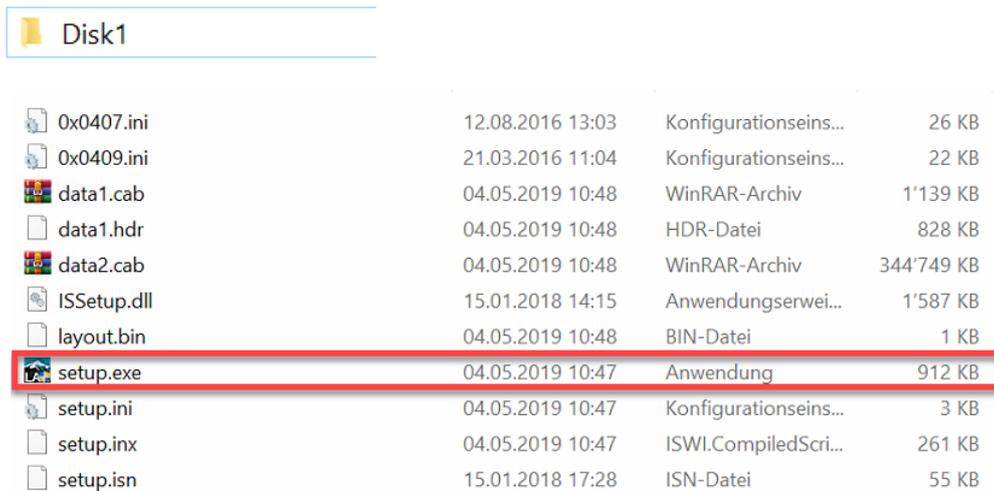Telefon: 07031 - 3047489
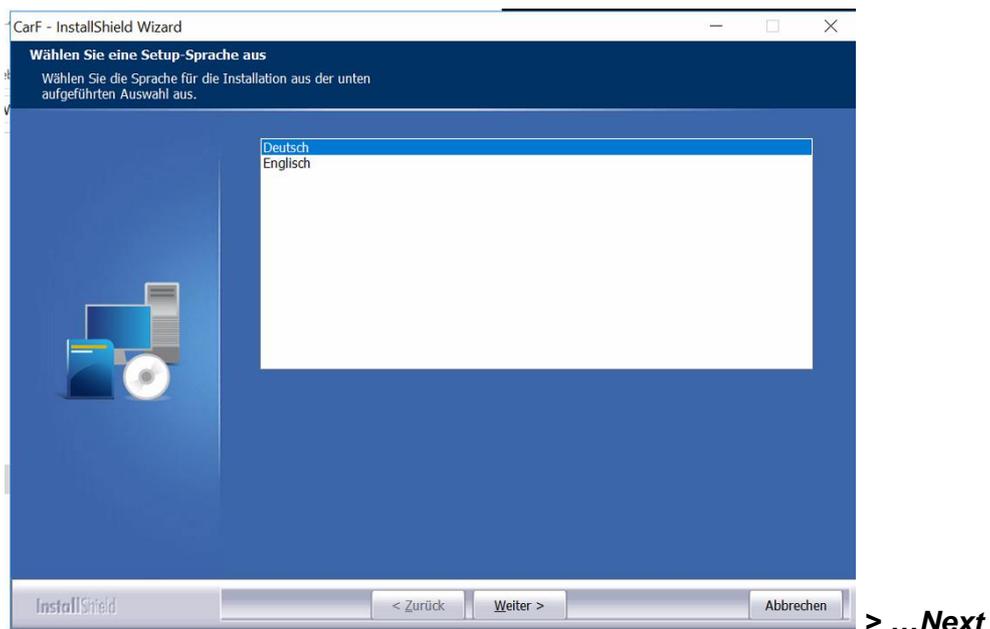E-Mail: support@luartxit.de

Homepage: www.luartxit.de

2.) CarF installation
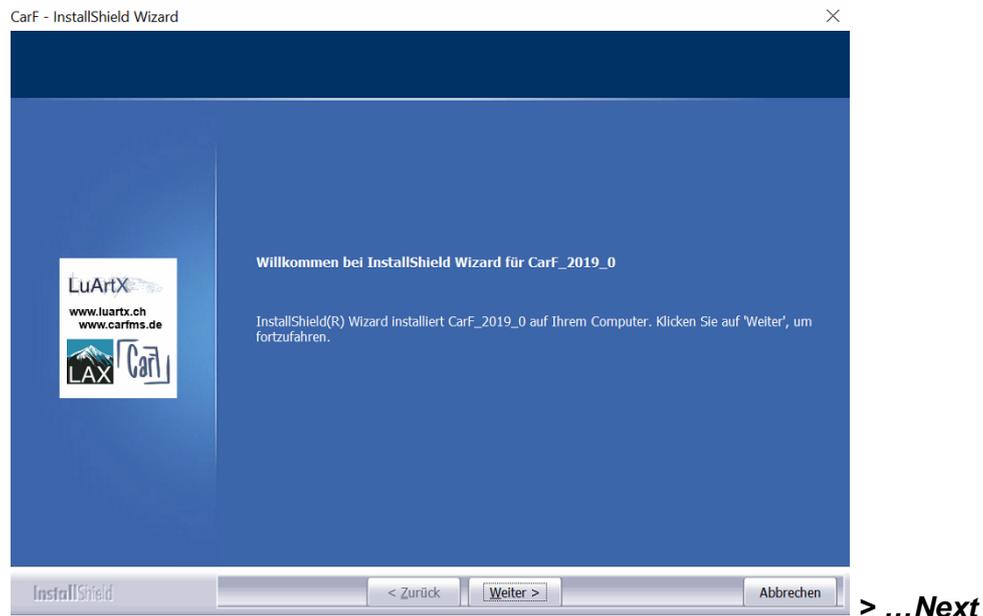
MicroStation must <u>not</u> be open when installing.
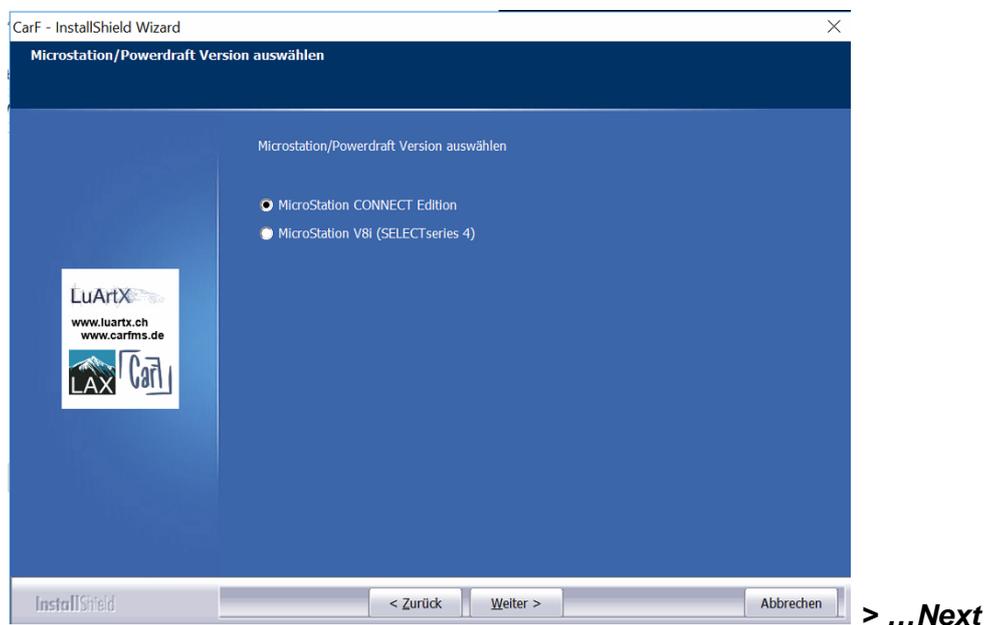
1.) Run setup.exe in the "Disk1" folder

1.) Select language

> *…Next*

2.) The version of the CarF installation is displayed

> …Next

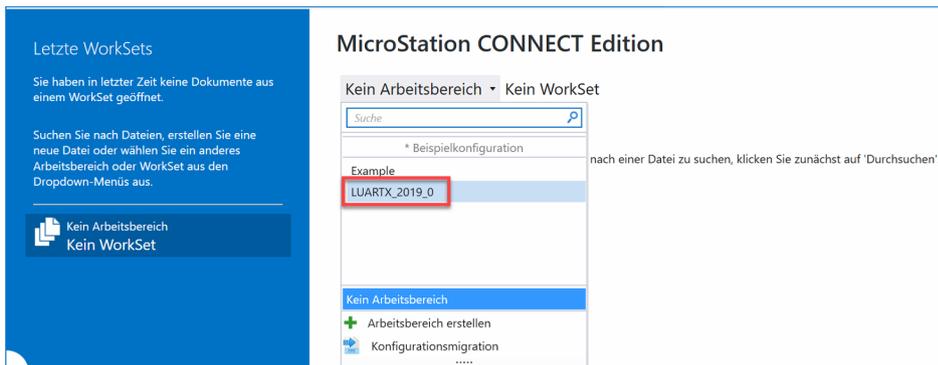3.) Select MicroStation version

> …Next

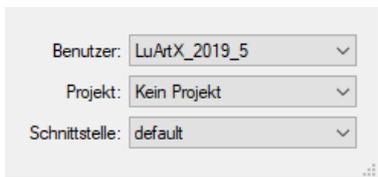*For the selected MicroStation version will either*

- *a LuArtX* Workspace (Connect)*   *or*
- *a LuArtX*.ucf file created (V8i).*

These settings can be selected later when MicroStation is started:
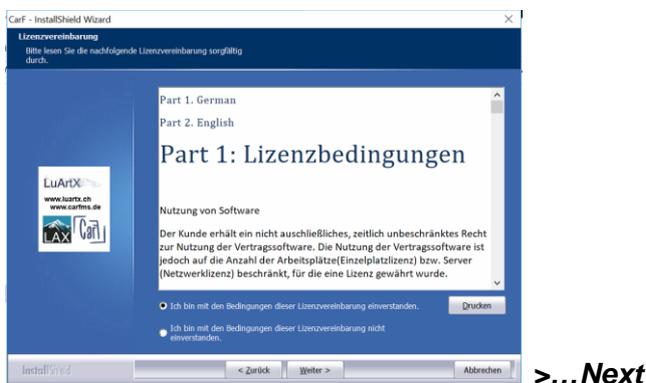
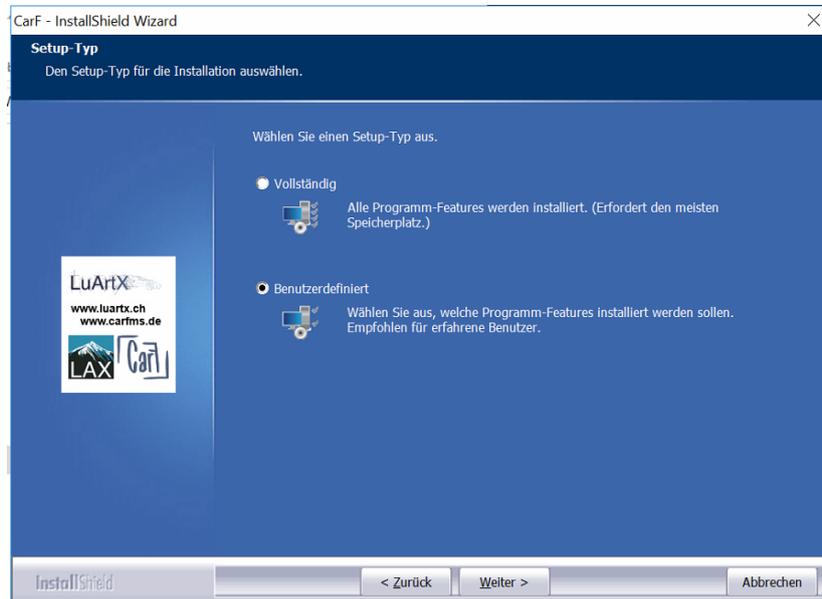MicroStation Connect:

MicroStation V8i:

MicroStation configuration variables for operating the Carf software are set in these settings files.

    4.) Agree to license terms

 >…Next

5.) Full installation / custom installation.

Full: - CONNECT Version CarF

                             - V8i Version CarF

                             …will be installed.

                             ➢ *Without CarF Infrastructure-settings (env)*

Costum: - the possibility to install the V8i or the Connect CarF version

                             - the possibility to select the settings files (env) for the CarF
                             infrastructure module

   ➢ *Is absolutely necessary when using the CarF infrastructure module without mixed
      operation with Tricad-MS*

6.) Installation folder

Note mixed operation CarF + Tricad- MS:

When using Tricad-MS modules at the same time, the CarF software can be installed in the Tricad-MS installation directory
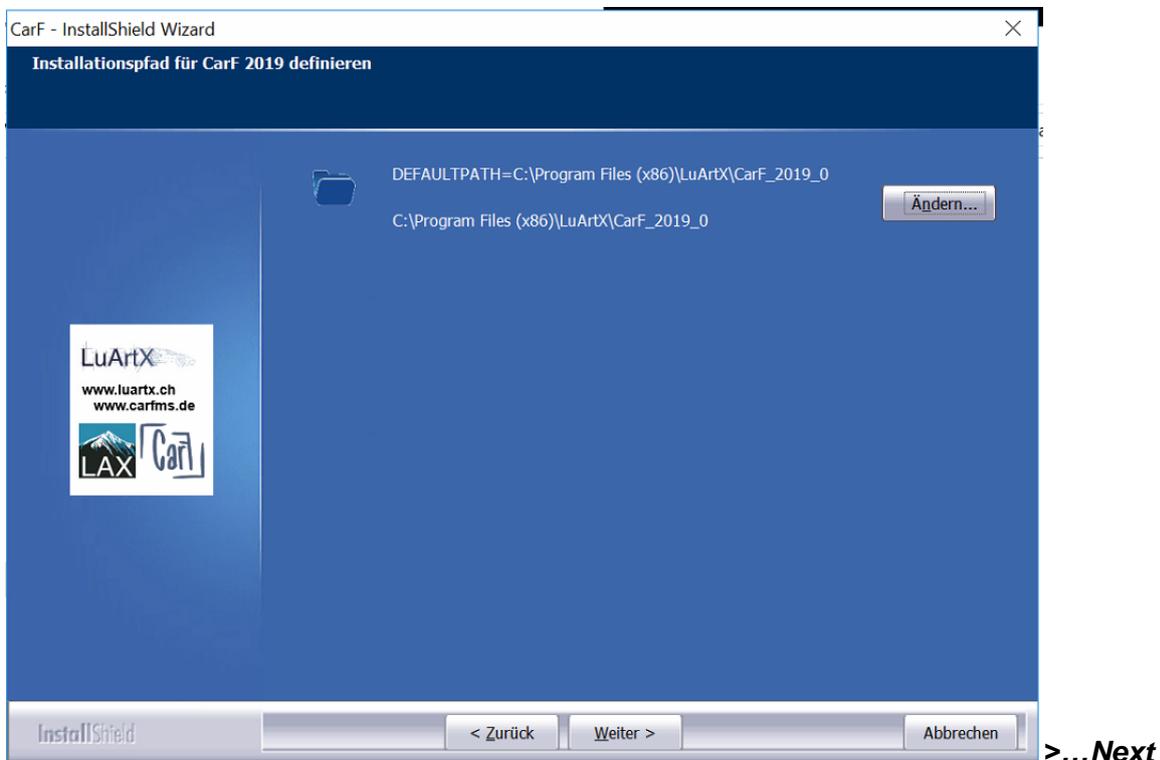
If possible, combine the latest Tricad-MS installation and the latest CarF version

Sequence installation mixed operation:

- *Tricad- MS*
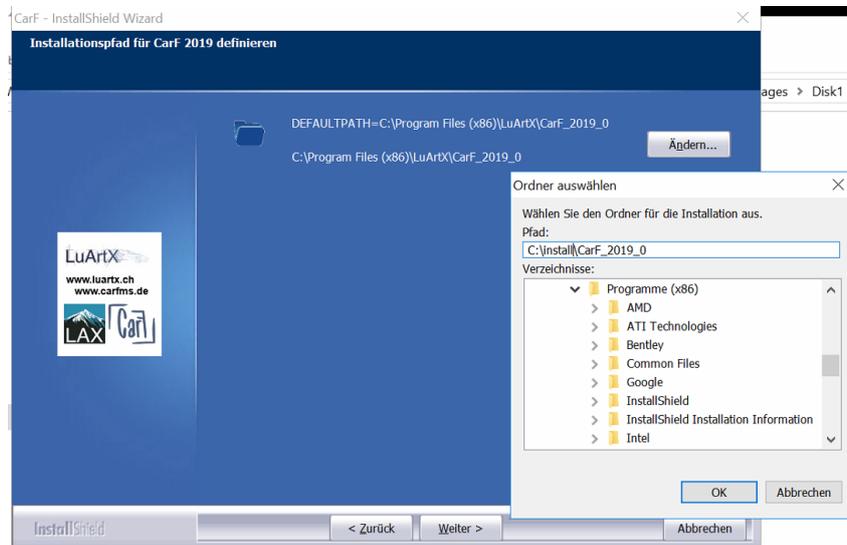- *Tricad- MS Help*
- *Tricad- MS latest Patch*
- *CarF Software*

Default path:

*«C:\Program Files (x86)\LuArtX\CarF_2019_ *»*

>…*Next*

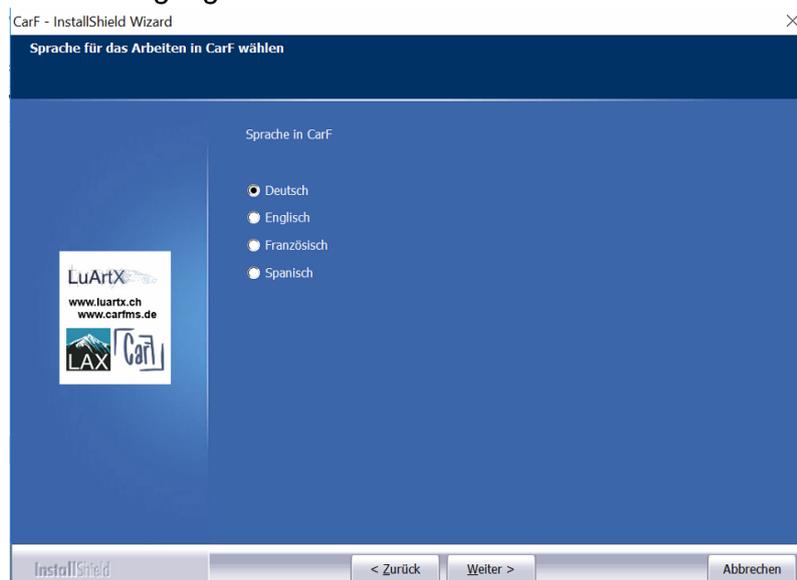Any installation path can be selected via «Change».
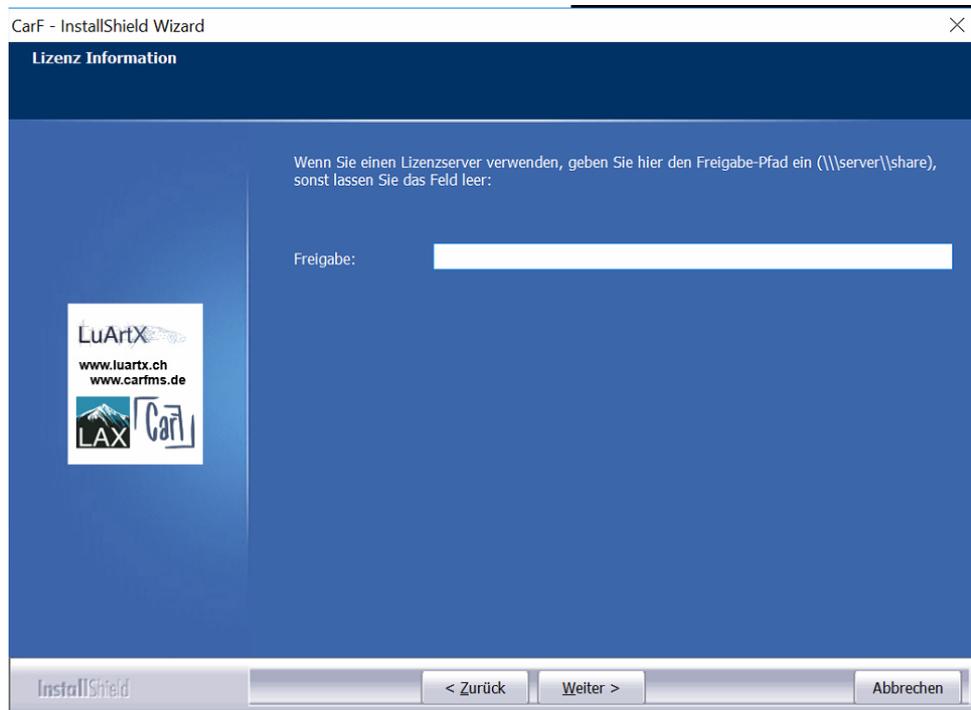

For Example:

«C:/CAD/ LuartX/CarF_2019_*»

7.) Language selection interface CarF

➢ *This setting sets the MicroStation environment variable LUARTX_LANG to the desired language.*

>…Next

8.) Shared Folder (only License -manager)

Single site license

- nothing to do -

Network licensing (special license file required):

License server not yet installed: *- nothing to do -*

License server installed: *- enter Path + Shared Folder -*

For example: *//SERVER/licman_lx$*

- ➢   *This entry sets the MicroStation environment variable «LUARTX_LIC =».*
- ➢   *This variable can also be set afterwards.*
- ➢   *Installation of the license manager is described in detail in a separate document.*

9.) Select home directory

➢ *The "HOME path" is set to by default:*
   „USERPROFILE"Appdata/Local/LuArtX/CarF"

➢ *This entry sets the MicroStation environment variables «HOME» and*
   «LUARTX_HOME»

➢ *The HOME path can be changed as required.*
   For example: $(LUARTX)/home

➢ *Users need read and write access to the home path*
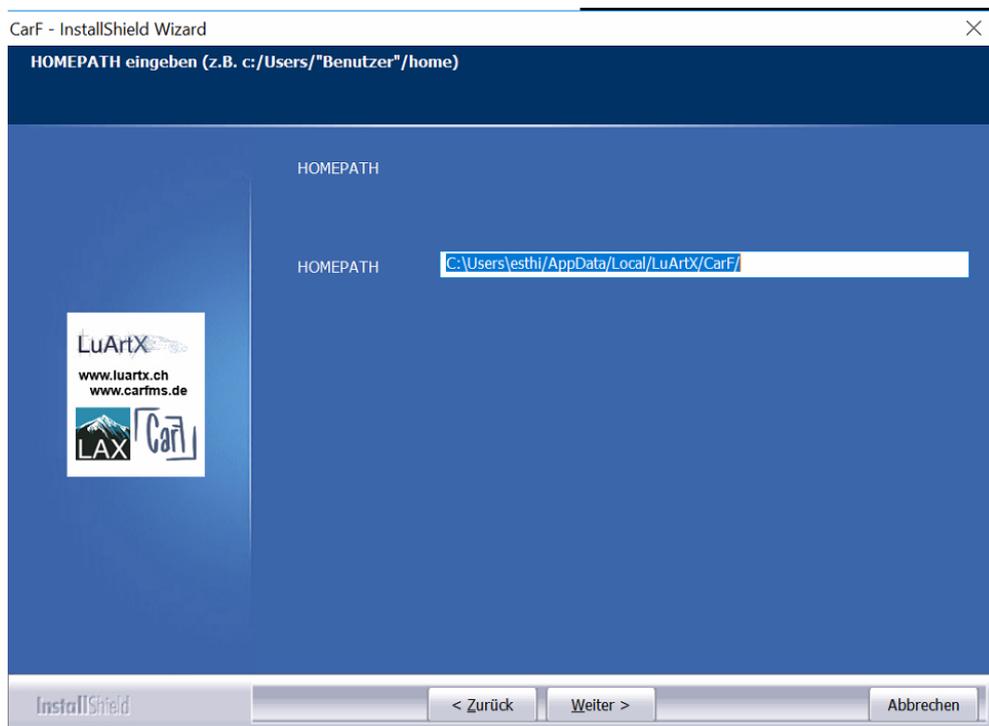
Important:

Is e.g. installed an administrator account, the variable must be changed, otherwise the home path is only set for the admin user. That leads to error messages when the program starts

>…Next

10.)   User-defined installation: selection of program versions

If "User-defined installation" has been selected, the selection of the products to be installed follows.
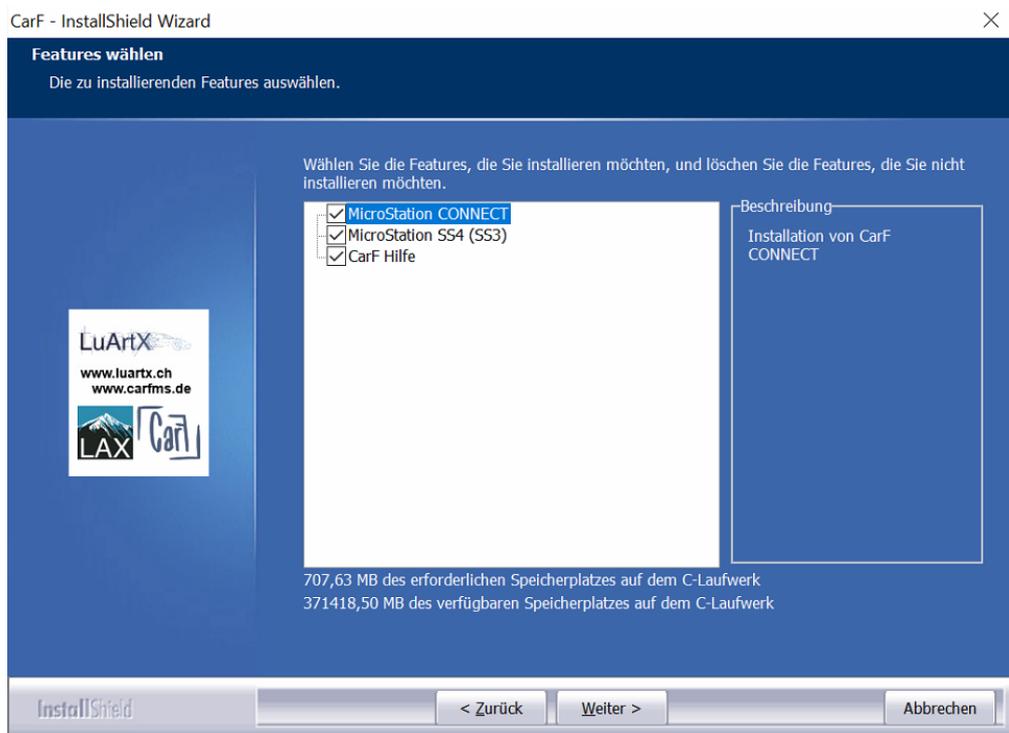
>…*Next*

11.)   Install
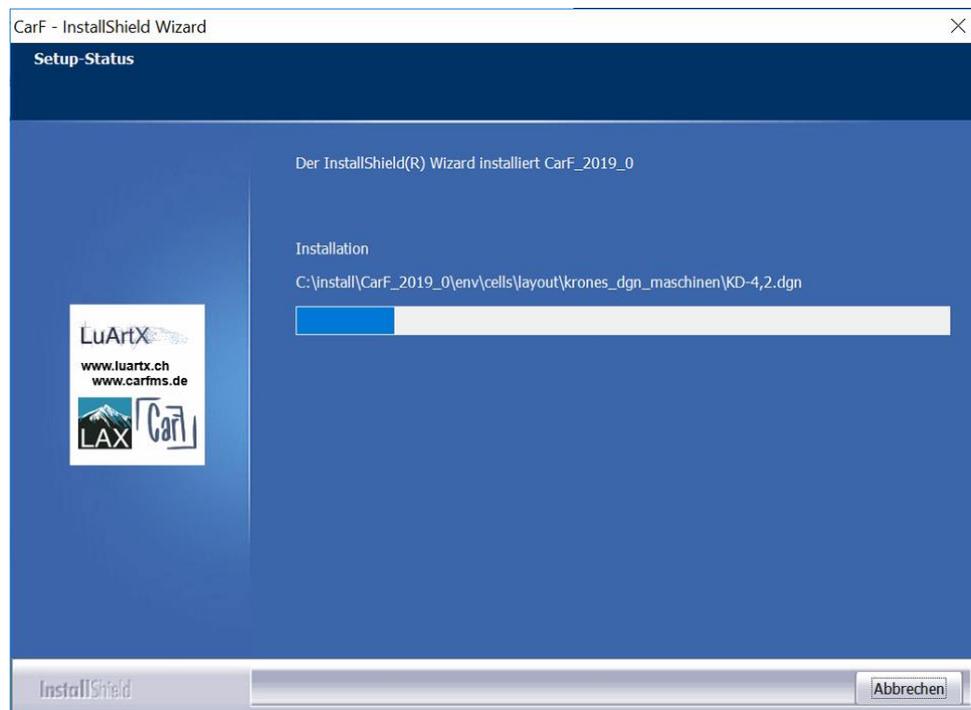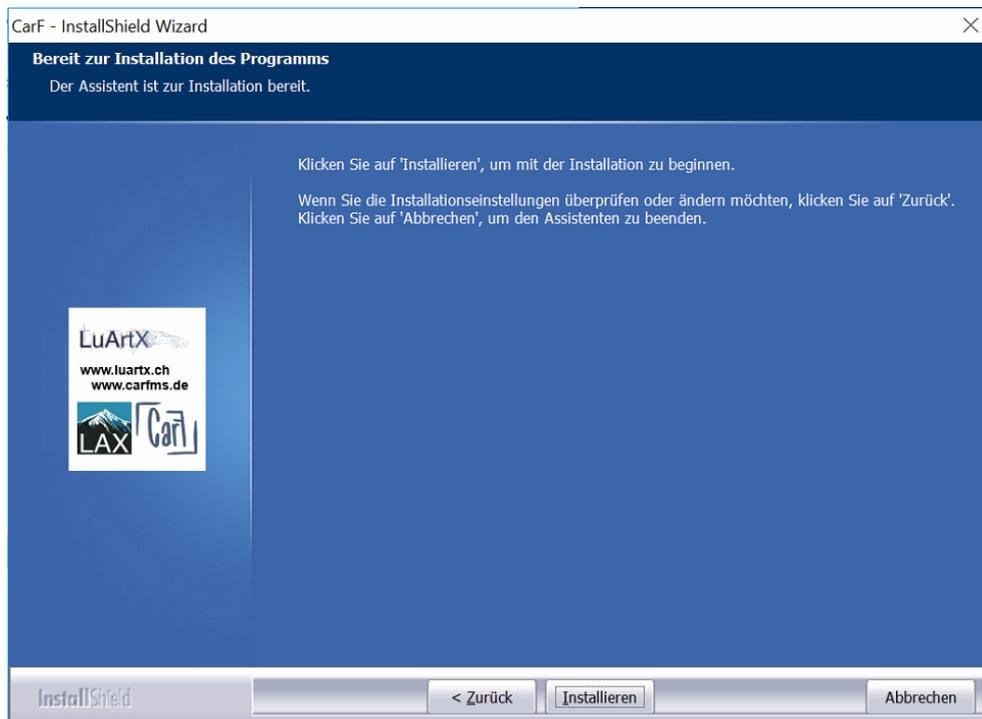
12.)   Configuration files created in MicroStation

At the end of the installation, the path of the configuration files are displayed.

MicroStation Connect Workspace: LUARTX_2019_*.cfg

For example:


```
LUARTX_2019_0.cfg - Editor
Datei Bearbeiten Format Ansicht ?
LUARTX                   = C:/install/CarF_2019_0/
LUARTX_HOME              = $(LUARTX)/home/
HOME                = $(LUARTX)/home/
MS_ICONLIBRARYLIST      > $(LUARTX)/bin_connect/TRICADMS_*.dll
MS_MDLAPPS                > $(LUARTX)/bin_connect/
MS_MDL                   > $(LUARTX)/bin_connect/
MS_DGNAPPS               > $(LUARTX)/bin_connect/CarFMenu_cn.ma
LUARTX_NOMASK      = 1
MS_HELPPATH             > $(LUARTX)/help/
MS_SEEDFILES            > $(LUARTX)/env/dgn/seed/
MS_DESIGNSEED           = $(LUARTX)/env/dgn/seed/3D_m_mm.dgn
MS_FONTPATH             > $(LUARTX)/env/cells/fonts
MS_ADDINPATH         > $(LUARTX)/addin_connect/
LUARTX_RIBBON_LANG = german
%ifdef LUARTX_LANG
%if $(LUARTX_LANG)== "e"
LUARTX_RIBBON_LANG = english
%elif $(LUARTX_LANG)== "s"
LUARTX_RIBBON_LANG = spain
%elif $(LUARTX_LANG)== "f"
LUARTX_RIBBON_LANG = french
%endif
%endif
MS_GUIDGNLIBLIST      > $(LUARTX)/DGNLIBS_RIBBON/$(LUARTX_RIBBON_LANG)/*.dgnlib
MS_RIBBONXML          > $(LUARTX)/DGNLIBS_RIBBON/$(LUARTX_RIBBON_LANG)/*.xml
```
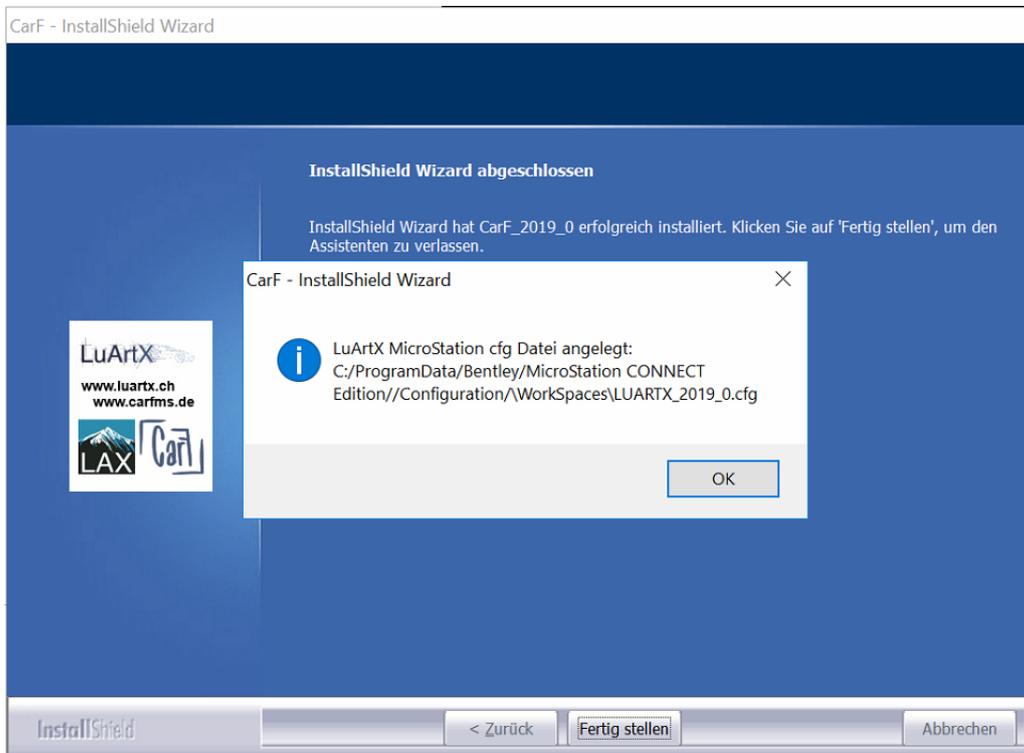
MicroStation v8i User: LuartX_2019_5.ucf

For example:

> Bentley > SS04 > WorkSpace > Users

Name

- LuArtX_2019_5.ucf
- untitled.ucf
- examples.ucf

LuArtX_2019_5.ucf - Editor — □ ×

Datei Bearbeiten Format Ansicht Hilfe

```
LUARTX           = C:/CAD/LuartX/2019_5/
LUARTX_NOMASK            = 1
MS_HELPPATH         < $(LUARTX)/help/
HOME = $(LUARTX)/Home
LUARTX_HOME = $(LUARTX)/Home
_LUARTX_ADMIN     = 1
_USTN_USERINTNAME = default
MS_LIBRARY_PATH    > $(LUARTX_MATPIPE)/system/winnt/
MS_ICONLIBRARYLIST   > $(LUARTX)/bin_v8i/*icons.dll
MS_SEEDFILES        > $(LUARTX)/env/dgn/seed/
MS_DESIGNSEED       = $(LUARTX)/env/dgn/seed/3D_m_mm.dgn
MS_FONTPATH         > $(LUARTX)/env/cells/fonts
MS_ICONRSCLIST      > $(LUARTX)/bin_V8i/*.rsc
MS_MDLAPPS          > $(LUARTX)/bin_V8i/
MS_DGNAPPS          = CarFMenu8i
MS_LIBRARY_PATH     > $(LUARTX)/bin_V8i/
MS_ADDINPATH      > $(LUARTX)/addin_v8i/
```

Windows (CRLF)   Zeile 1, Spalte 39   100%

Benutzer: LuArtX_2019_5

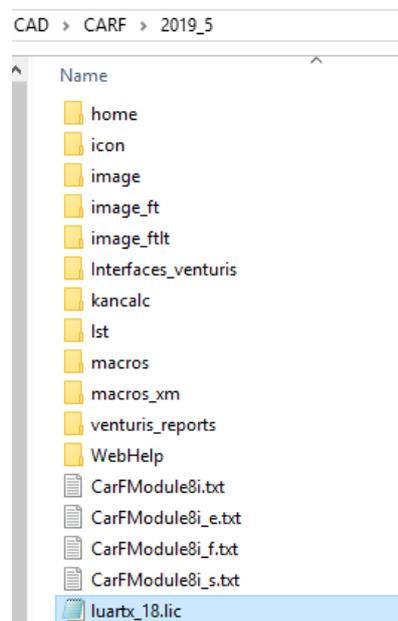Projekt: Kein Projekt

Schnittstelle: default

13.)   Licensing

There are 2 types of CarF licensing.

Single site license

The license file (* .lic) received must be copied to the installation directory and renamed to

Luartx_18.lic.

Networklicense

A special network license is required for this.

-   *The installation of the license manager is described in a separate document*

3.) Mixed operation CarF - Tricad-MS

If the software has been installed in the same directory as Tricad –MS, please note the following:

- ➢ *Order of installation:*

  1. Tricad-MS Software
  2. Tricad-MS Help
  3. Tricad-MS Patch
  4. CarF

- ➢ *Only VENTURIS variables are to be used (no LUARTX ...)*
  (Use Venturis configuration files)

- ➢ *Single site license:*
  Both license files for CarF + Tricad-MS are in the installation directory
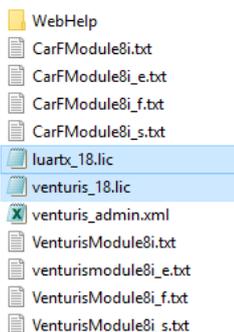
- ➢ *Networklicense:*
  The Venturis license manager from 3.13 must be installed.
  The LuArtX license manager is not required.

  Only the variable VENTURIS_LIC = is required, no LUARTX_LIC variable

  Both network license files (Venturis + LuArtX) are managed by license manager 3.13..

4.) Error messages - possible solutions

➢ Error messages at installation setup:

InstallShield Wizard hat CarF_2019_0 erfolgreich installiert. Klicken Sie auf 'Fertig stellen', um den Assistenten zu verlassen.

CarF - InstallShield Wizard ✕

❌ V8i: FailedszVersion = 2019_0

OK

InstallShield Wizard hat CarF_2019_0 erfolgreich installiert. Klicken Sie auf 'Fertig stellen', um den Assistenten zu verlassen.

CarF - InstallShield Wizard ✕

❌ V8i: FailedszWs = C:\CAD\Bentley\SS04\Workspace

OK

CarF - InstallShield Wizard ✕

❌ V8i: FailedszFileDir = C:\CAD\Bentley\SS04\Workspace\users\

OK

➢ The workspace (v8i) / configuration (Connect) was not found. The * .ucf or the workspace (Connect) was not created.Die Software ist trotzdem installiert
➢ The configuration files for MicroStation are missing

➢ The variables in MicroStation must be added

MicroStation CONNECT:

Create Connect Workspace for LuArtX, then set variables in the workspace:Auf der ersten Zeile des Workspace ist die Variable LUARTX definiert.

> ➢ The variable LUARTX points to the installation path.
> ➢ no backslashes in the path, only slash

```
LUARTX_2019_0.cfg - Editor

Datei  Bearbeiten  Format  Ansicht  Hilfe
LUARTX                      = Hier Bitte Installationspfad eintragen: z.B. C:/install_carf/CarF_2019_0/
LUARTX_HOME                 = $(LUARTX)/home/
HOME                     = $(LUARTX)/home/
MS_ICONLIBRARYLIST      > $(LUARTX)/bin_connect/TRICADMS_*.dll
MS_MDLAPPS                 > $(LUARTX)/bin_connect/
MS_MDL                     > $(LUARTX)/bin_connect/
MS_DGNAPPS                 > $(LUARTX)/bin_connect/CarFMenu_cn.ma
LUARTX_NOMASK           = 1
MS_HELPPATH             > $(LUARTX)/help/
MS_SEEDFILES            > $(LUARTX)/env/dgn/seed/
MS_DESIGNSEED           = $(LUARTX)/env/dgn/seed/3D_m_mm.dgn
MS_FONTPATH             > $(LUARTX)/env/cells/fonts
MS_ADDINPATH        > $(LUARTX)/addin_connect/
CAD_LICTYPE             = LUARTX
LUARTX_RIBBON_LANG = german
%ifdef LUARTX_LANG
%if $(LUARTX_LANG)== "e"
LUARTX_RIBBON_LANG = english
%elif $(LUARTX_LANG)== "s"
LUARTX_RIBBON_LANG = spain
%elif $(LUARTX_LANG)== "f"
LUARTX_RIBBON_LANG = french
%endif
%endif
MS_GUIDGNLIBLIST    > $(LUARTX)/DGNLIBS_RIBBON/$(LUARTX_RIBBON_LANG)/*.dgnlib
MS_RIBBONXML        > $(LUARTX)/DGNLIBS_RIBBON/$(LUARTX_RIBBON_LANG)/*.xml
```

LuArtX IT GmbH | Otto-Lilienthal-Str. 36 | 71034 Böblingen
Tel +49 7031 304748-89 | support@luartxit.de | www.luartxit.de

Seite **20** von **22**

MicroStation V8i:

Create LuArtX _ *. Ucf in the existing v8i workspace.

Then set variables in * .ucf file:

  ➢ The LUARTX variable is defined on the first line of the workspace
  ➢ The variable LUARTX points to the installation path
  ➢ no backslashes in the path, only slash

```
LuArtX_2019_0.ucf - Editor

Datei  Bearbeiten  Format  Ansicht  Hilfe

LUARTX            = Hier bitte Installationspfad eintragen
LUARTX_NOMASK          = 1
MS_HELPPATH         < $(LUARTX)/help/
HOME = $(LUARTX)/home/
LUARTX_HOME = $(LUARTX)/home/
_LUARTX_ADMIN    = 1
_USTN_USERINTNAME = luartx
MS_LIBRARY_PATH    > $(LUARTX_MATPIPE)/system/winnt/
MS_ICONLIBRARYLIST   > $(LUARTX)/bin_v8i/*icons.dll
MS_SEEDFILES       > $(LUARTX)/env/dgn/seed/
MS_DESIGNSEED      = $(LUARTX)/env/dgn/seed/3D_m_mm.dgn
MS_FONTPATH        > $(LUARTX)/env/cells/fonts
MS_ICONRSCLIST     > $(LUARTX)/bin_V8i/*.rsc
MS_MDLAPPS         > $(LUARTX)/bin_V8i/
MS_DGNAPPS         = CarFMenu8i
MS_LIBRARY_PATH    > $(LUARTX)/bin_V8i/
MS_ADDINPATH     > $(LUARTX)/addin_v8i/
```

➢ Error message after program start

Warnung

tc_xdInitStr: cannot create file XXXX/1_0.rsc:

[OK]   [Cancel]
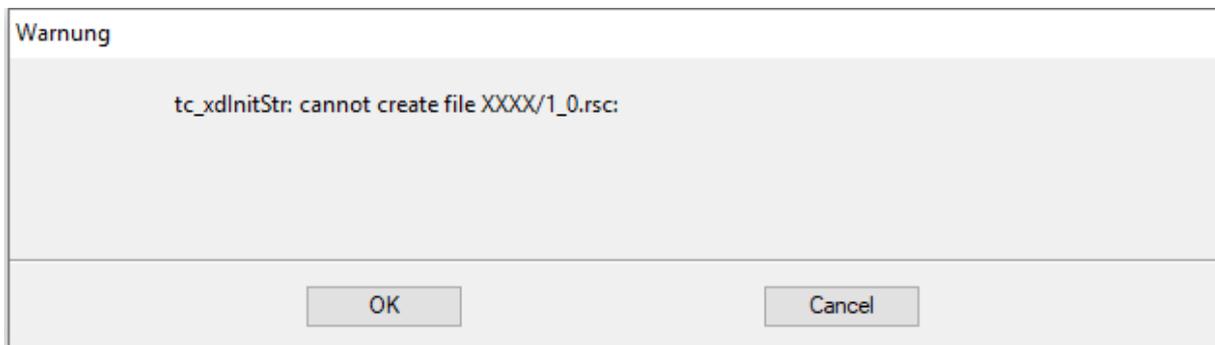
Solution:

Change HOME variables to a desired path. For example:

LuArtX_2019_5.ucf - Editor

Datei Bearbeiten Format Ansicht Hilfe

```
LUARTX              = C:/CAD/CARF/2019_5/
LUARTX_NOMASK          = 1
MS_HELPPATH         < $(LUARTX)/help/
HOME = $(LUARTX)/Home
LUARTX_HOME = $(LUARTX)/Home
```

Or:

Check permissions on directory - read and write permissions on the defined path are required.