



# BatchXpert

English V1.0

*Creating an System  
Backup*

# Inhalt

1	General .....	2
1.1	Database .....	2
1.2	GraphPic Visualization .....	2
1.3	BatchXpert .....	2
1.4	PLC .....	2
2	Backup with "Project Administration Tool" .....	3
3	Restoring with "Project Administration Tool" .....	4

# 1 General

The BatchXpert System consists of various different System components that must be Backupto ensure an Complete system Backup that can be fully restored when necessary. For this reason the BatchXpert system incorporates an “Project Administration Tool”, that permits to execute full system Backups un an managed and secure manner.

In General an BachXpert System consists of the following Backup Components:

## 1.1 Database

The Database is where all the Process configuration and Historical Batch data is stored. It is stored on each BatchXpert Station locally in an Microsoft SQL Express Database.

## 1.2 GraphPic Visualization

The GraphPic visualization system is the component that visualizes the Processes to the user and enables the operator to send commands to the Automation system. It also incorporates the Historical Trend Analysis data an Alarm Archives.

## 1.3 BatchXpert

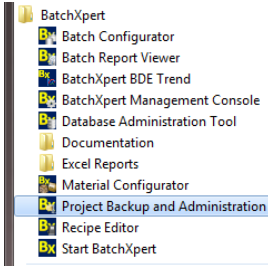
The BatchXpert Incorporates the user interfaces for the Historical Batch data and the configuration of the Plant. It also incorporates all Reporting funcionas of the System

## 1.4 PLC

The PLC is the automation Controller that executes the Automation processes independently from each BatchXpert Station. It manages the statuses of the Units, Controlmodules and Processes.

## 2 Backup with “Project Administration Tool”

Since the backup procedure can be quite complex, involving different systems, BatchXpert incorporates an Backup Application to facilitate the Backup and Restore Procedures.



To create an Backup, Start the Application from the Start menu and follow the instructions on the Screen.



On the first screen Select “Create New Backup”



Select an type of Backup to create. The differences are the components that will be contained in the Backup. If you are unsure what type to Backup, choose “Complete System Backup” in order to backup all relevant system data.

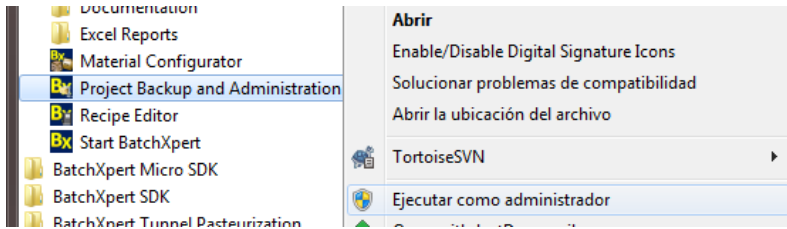


Choose an Filename for the Backupfile and click next to complete the Backup Procedure.

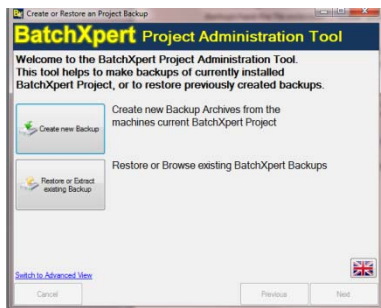
### 3 Restoring with “Project Administration Tool”

After installing the Basic BatchXpert System Applications, a project specific backup must be restored. These Backups have the file extension “\*.bxbak” and can be restored by, and also created, by the “BatchXpert Project Backup and Administration” tool.

This tool lets you restore all configuration and project files with an easy to follow user interface. To restore an Backup, start the application with “Administrative Privileges” from the Startmenu.



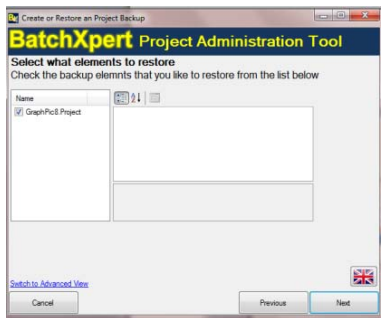
Follow the User interface and select the backup file to restore.



to restore a Backup selecto “Restore or Extract existing Backup”



Select the existing Backup Archive that you wish to restore and click next



In the next screen you can see all components that are contained inside the Backup. Select the components that you wish to restore, or choose the default selection to restore all components to the machin.



In the Last screen you can choose if you want to restore the System to the current Machine or if you just want to extract the archive without restoring and overwriting any backup.

**Restore to this Machine:** This option restores all selected backup components to the current Machin and overwrites any existing data. This option is used for restoring full backups after an major incident.

**Extract Archive:** This option does NOT restore the backup to the current Machine, it merely extracts the content into an directory of your choosing. This option is usefull if you want to browse the content of an Backup archive without actually Restoring it.