

## The Library SysLibEvent.lib

This library serves to synchronize and control the processing of two (IEC-) tasks. A task waiting for an event can get re-activated by a second task which sets this event.

The following library functions are available to define, to delete and start an event resp. to set the timeout (The execution is synchronous):

- SysEventCreate
- SysEventDelete
- SysEventSet
- SysEventWait

### SysEventCreate

This function of type DWORD serves to create a new event and to name it. A handle will be returned, which is used by the other functions of the library to access the event.

Variable	Data Type	Description
stName	STRING	Name of the new event

### SysEventDelete

This function of type BOOL deletes an event. The event is defined by the handle which was returned by the function SysEventCreate when creating the event.

TRUE will be returned if as the event has been deleted successfully, otherwise FALSE.

Variable	Data Type	Description
DwHandle	DWORD	event handle returned by SysEventCreate

### SysEventSet

This function of type DWORD is used to set an event. The event is defined by the handle which was returned by the function SysEventCreate when creating the event. TRUE will be returned if as the event has been set successfully, otherwise FALSE.

Variable	Data Type	Description
dwHandle	DWORD	event handle returned by SysEventCreate

### SysEventWait

This function of type DWORD is used to set the timeout for an event. The event is defined by the handle which was returned by the function SysEventCreate when creating the event. TRUE will be returned if as the timeout has been set successfully, otherwise FALSE.

Variable	Datentyp	Beschreibung
dwHandle	DWORD	event handle returned by SysEventCreate
dwTimeout	DWORD	Time in [ms], after which the function will return at the latest