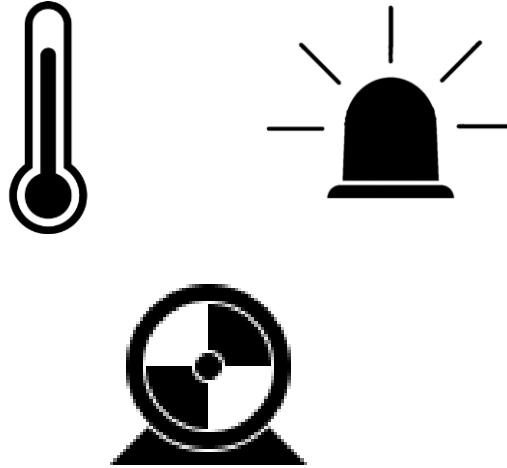


# Library of Basic Processes (LBP)

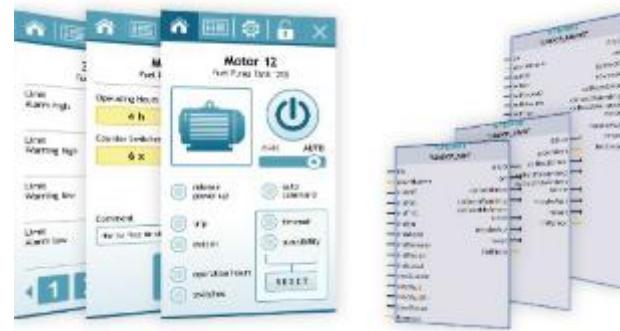
# Description

# What is Library of Basic Processes (LBP) ?



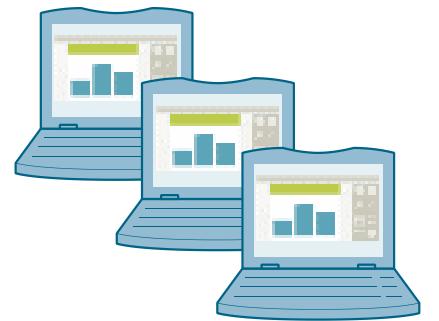
Reusable  
elements

standardized



Library of Basic  
Processes

re-use



Projects

From project to project,  
there are common elements  
that require to be visualized.  
They can be motors, analog  
values, valves ...

The LBP provides support  
in visualizing various  
functions of those common  
elements.

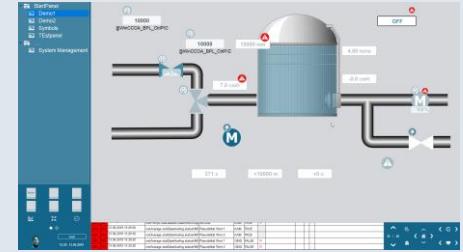
The library then can be  
used in next projects

# LBP – Where it supports for ?



LBP is available

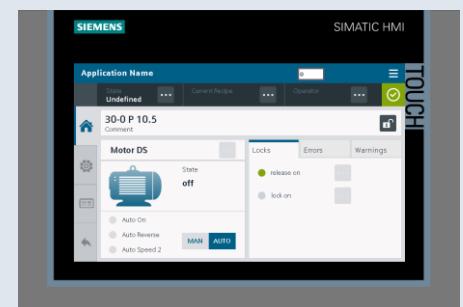
for WinCC OA



for WinCC V7 and WinCC Professional



for TIA Portal Comfort / Advanced



# LBP – Library of Basic Processes

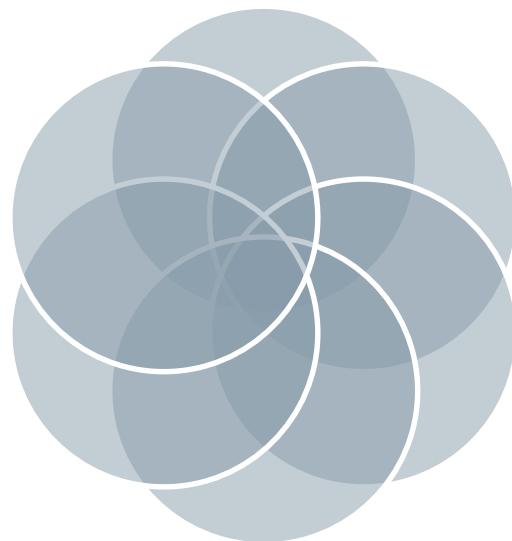
## Properties



Supports  
several WinCC  
variants

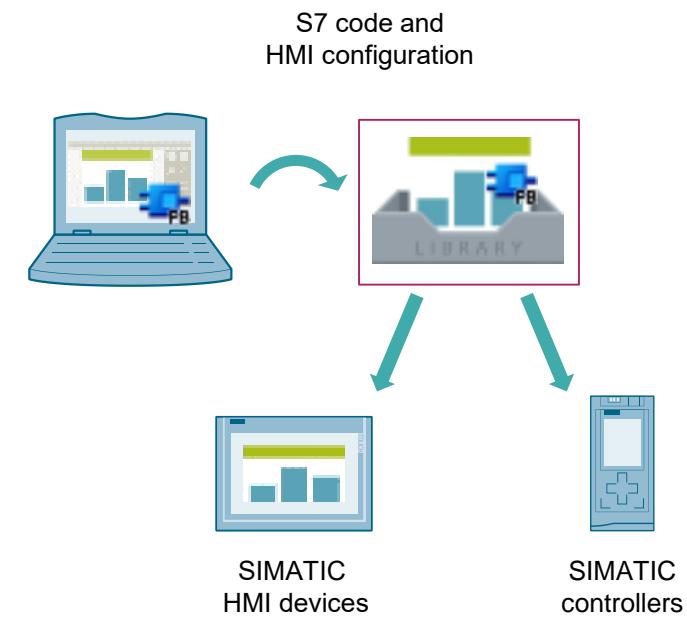
Languages:  
English,  
German

Object-oriented  
block library



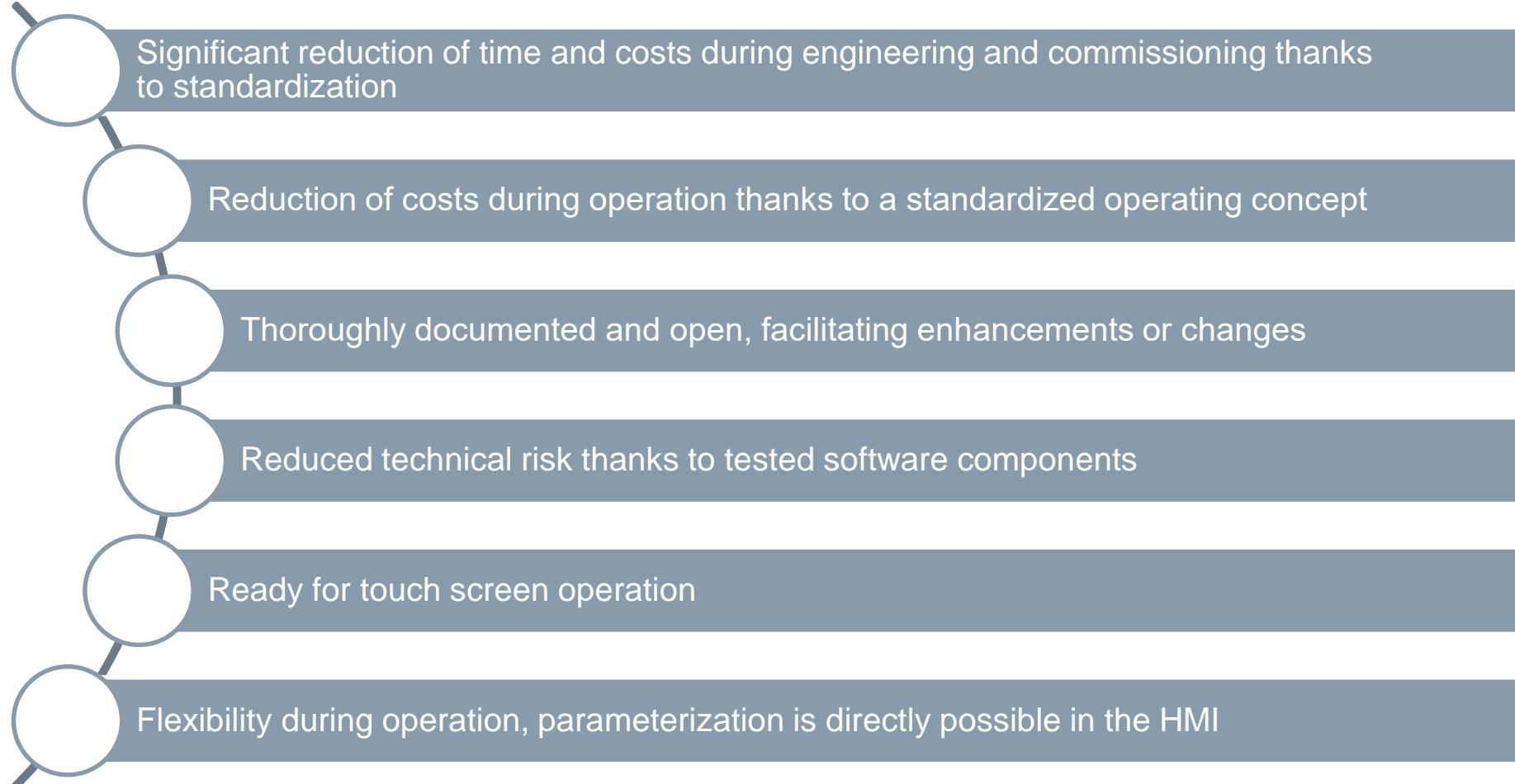
Ca. 21 (tested)  
blocks,  
standardized  
look and feel

Modern  
faceplate  
design



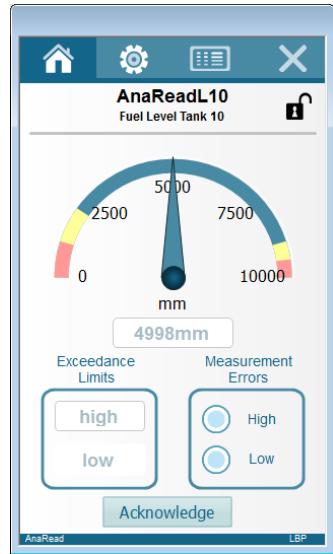
[free download LBP](#)

# Advantages



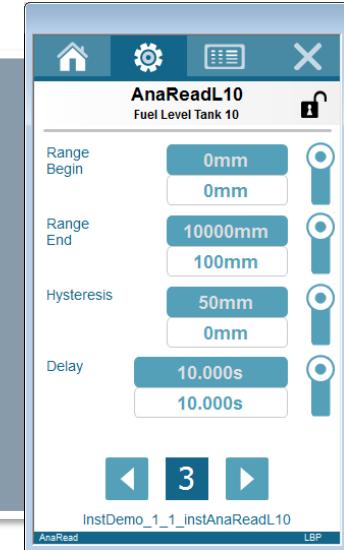
# Functions

# General functionality of functions



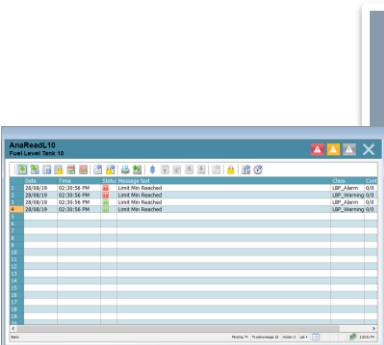
## Home screen

- Overview of main values and alarms



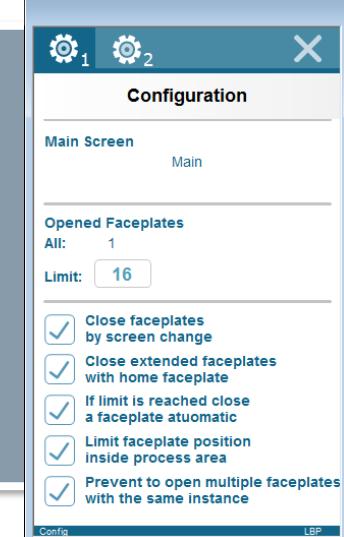
## Settings pages

- Overwriting values
- Logging of actions



## Filtered Alarms

- Filtered by function block
- Filtered by Alarm type



## Pop Up Management on SCADA Systems

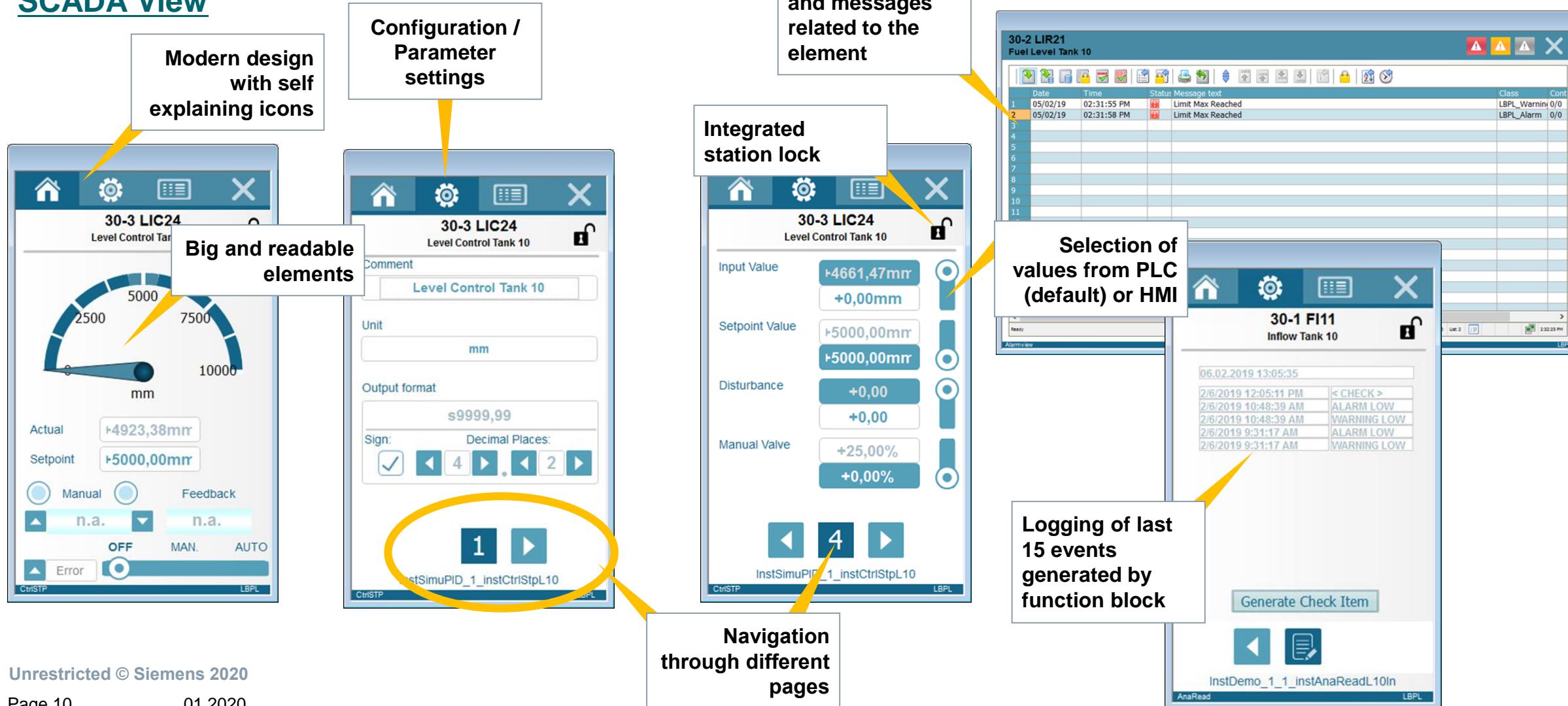
- With changeable behavior

# Faceplates

## General operation and navigation concept

**SIEMENS**  
Ingenuity for life

## SCADA View



# Faceplates

## General operation and navigation concept

### HMI Comfort Panel View

The image displays the HMI Comfort Panel View with several screens and annotations:

- Main screen:** Shows the application name "30-1 FIRQ41" and inflow tank details. Annotations: "Open navigation" (top right), "Diagnostic overview" (top right).
- Settings:** Shows application name "30-1 FIRQ41" and inflow tank details. Annotations: "Open navigation" (top right), "Diagnostic overview" (top right).
- Alarms and messages:** Shows application name "30-1 FIRQ41" and inflow tank details. Annotations: "Open navigation" (top right), "Diagnostic overview" (top right).
- Navigation tabs:** Shows application name "30-3 LIC24" and level control tank details. Annotations: "Open navigation" (top right), "Diagnostic overview" (top right).
- User registration:** Shows application name "30-3 LIC24" and level control tank details. Annotations: "Open navigation" (top right), "Diagnostic overview" (top right).
- Return (close message window):** Shows application name "30-3 M31" and pump outflow tank details. Annotations: "Open navigation" (top right), "Diagnostic overview" (top right).
- Values can be chosen between PLC or HMI:** Shows application name "30-3 M31" and pump outflow tank details. Annotations: "Open navigation" (top right), "Diagnostic overview" (top right).
- Radio box defines alternative is set:** Shows application name "30-3 M31" and pump outflow tank details. Annotations: "Open navigation" (top right), "Diagnostic overview" (top right).
- Loop in Alarm:** Shows application name "30-3 M31" and pump outflow tank details. Annotations: "Open navigation" (top right), "Diagnostic overview" (top right).
- Alarm acknowledgement:** Shows application name "30-3 M31" and pump outflow tank details. Annotations: "Open navigation" (top right), "Diagnostic overview" (top right).

**Bottom navigation bar:** Includes icons for Home, Settings, Alarms, and Help.

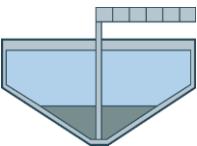
**Bottom footer:** Unrestricted © Siemens 2020, Page 11, 01.2020

# LBP – Library of Basic Processes

## Polygon with 8 points (conversion tool)

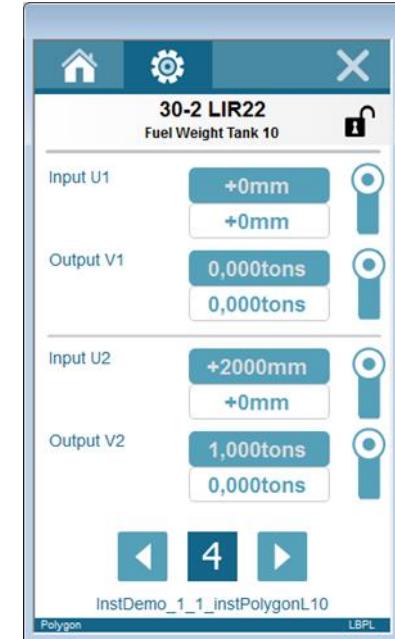
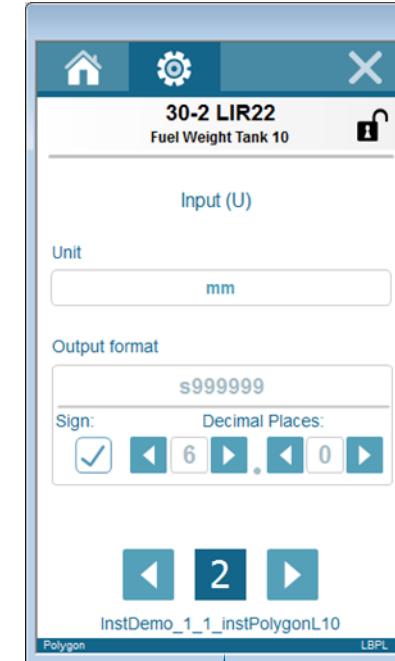
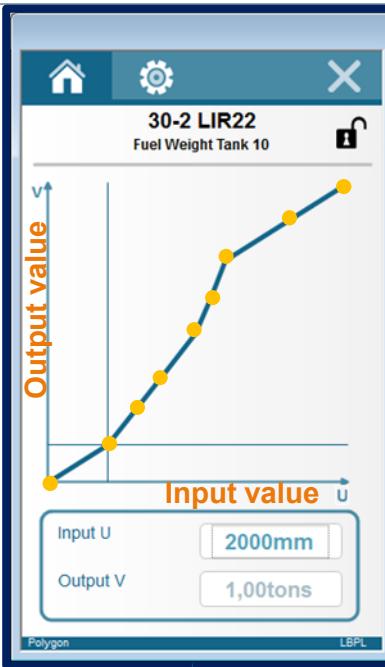
### LBP\_Polygon

- The easy way to realize complex conversions. Based on 8 fixed setpoints for conversion rate, it is possible to get results for any conversion equation.



*Application example:*  
Level is known, what is the volume of the content?  
The answer: LBP\_Polygon.

0,000tons



Definition of 8 different conversion points  
Second axis shows the actual point

Parameters for the display of results (For operator)

Parameters for each conversion point

I want to start with  
LBP right now !

## SIOS (Entry ID: 109749508)

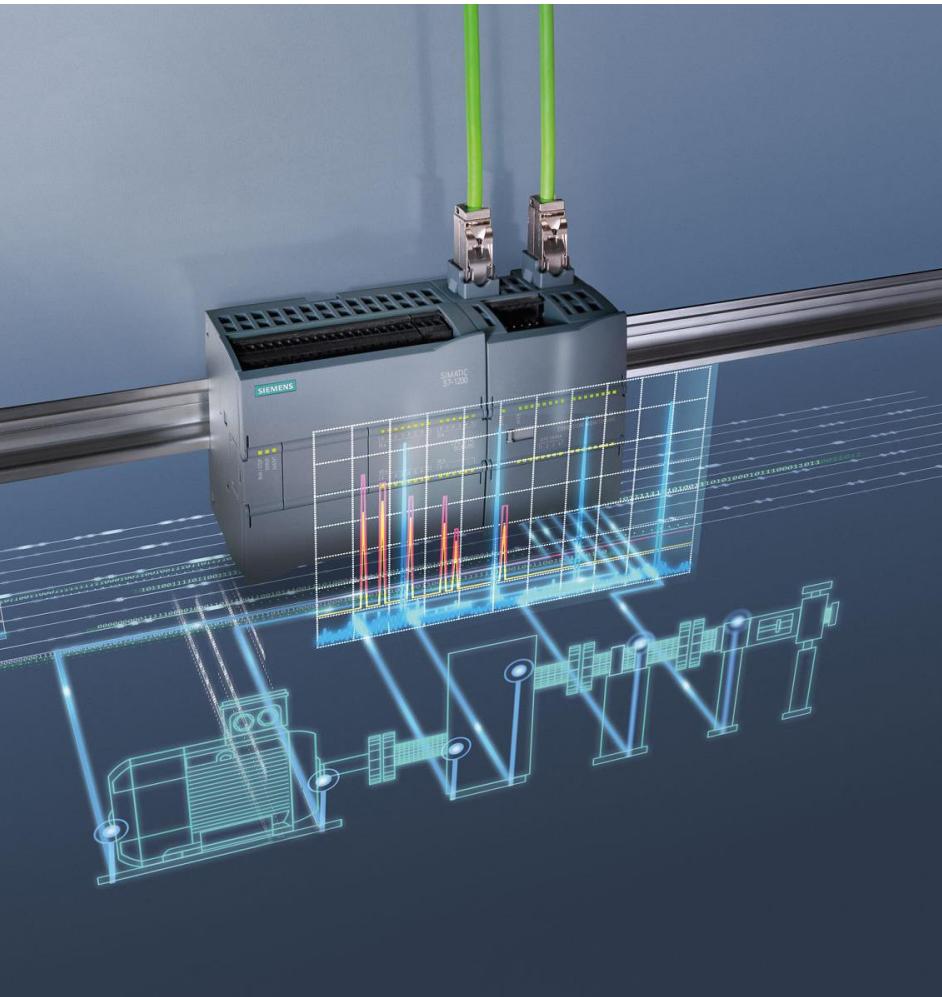


- Find the Library and documentation for download
- Find demo applications
- Technical information

<https://support.industry.siemens.com/cs/ww/en/view/109749508>

Thank you for your attention!

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