

## DATA SHEET

# SPC SQC SOLUTIONS

Easily implement online SPC/SQC utilizing dataPARC's integrated limit management tools and alarm/event engine.



## Analysis of Any Data Source

Apply PARCview's SPC/SQC analysis to tags from any data source available to dataPARC (Historian, LIMS, MES, etc). Build control charts from existing sources or calculated values from PARCview formulas.

## Flexible Rule Definitions

Custom limits to built in Western Electric Rules or custom logic can be used to identify out-of-control points. User-defined color coding for rule violations provides operators with real-time feedback by highlighting special causes in Trend, Centerline, and Manual Data Entry displays. The display tool shows which rule was violated and allows users to assign a cause.

Tag	Lower Limit	Target	Upper Limit
StHelens.LabData.56	9.355	9.7	10.045
	9.78	10.2	10.62
	9.08	9.5	9.92
	9.095	9.5	9.905
	9.3	9.6	9.9
	9.32	9.6	9.88
	8.67	9.6	10.53
	9.145	9.6	10.055
	9.26	9.6	9.94
	9.06	9.6	10.14
	9.33	9.6	9.87
	9.08	9.5	9.92
	9.095	9.5	9.905
	9.3	9.6	9.9
	9.32	9.6	9.88
	8.67	9.6	10.53
	9.145	9.6	10.055

**SQC Configuration**  
 Tag: StHelens.LabData.56  
 Type: Control  
 Version: Past to Future  
 Limit Rules:  
 1  Outside Limits  
 2.  2 of 3 in Zone A  
 3.  4 of 5 in Zone B  
 4.  9 on one side  
 5.  6 slope up/down  
 6.  14 oscillating  
 7.  15 in both Zone C  
 Colors:  
 Lower: █  
 Target: █  
 Upper: █  
 Alarm: █  
 X-Bar Settings:  
 Normalize: OS  
 Group Size: 1



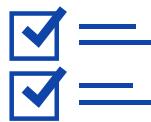
## Determine Process Capability

Determine if your process is stable and capable of producing products within your specification limits.



## Make Better Operating Decisions

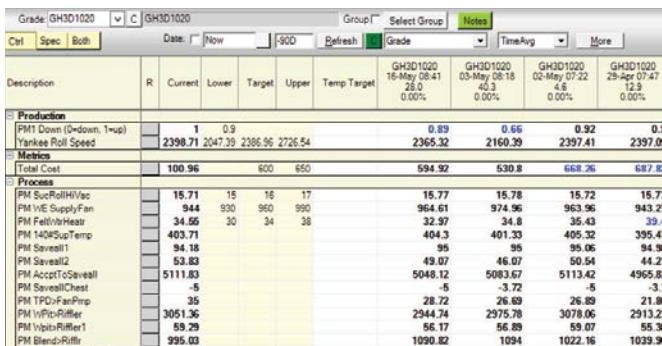
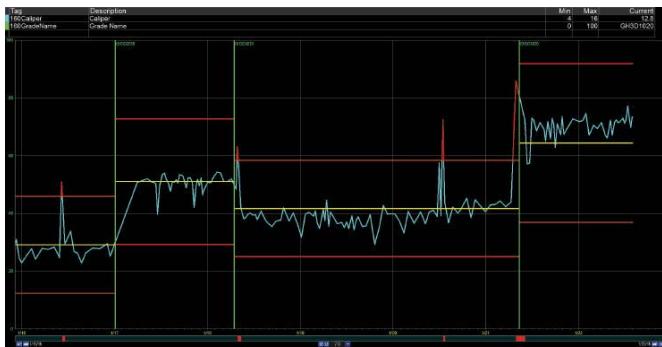
Use dataPARC's reporting capabilities to relay production loss data, by area, up and down the operator and manager chain.



## Track Process Improvements

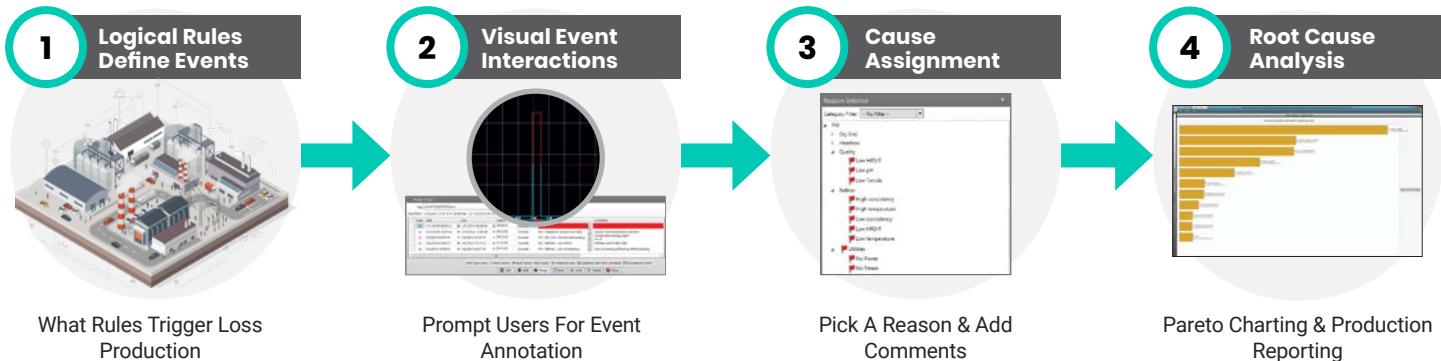
Identify sources of variation and create a new target and limits when the process has been improved.

## More Features



## Root-Cause Analysis

Deliver additional value to SPC/SQC initiatives through root-cause analysis. PARCview makes it easy with off the shelf capability to create events, capture reason assignment and deliver analysis of all SPC/SQC rule violations.



## Grade-Based Limits

Create control and specification limits for each product category. PARCview will automatically display limits based on the defined criteria. When a new grade or product run begins, PARCview displays switch to the appropriate limits. Full support for limit versioning allows historical comparisons and all displays will use the limits that were in effect during the time period being evaluated.

## Centerline And Histogram Integration

In addition to Trends, PARCview's Centerlines and Histogram charts provide a platform for SPC/SQC analysis and calculation of Cpk by product or grade. Both operators and engineers can take advantage of Centerlines with SPC/SQC limits enabled to work on centering their process for peak performance.