



Fantom

SkySpark PDF Report

A custom PDF report
from your SkySpark data.



SkySpark
by SkyFoundry

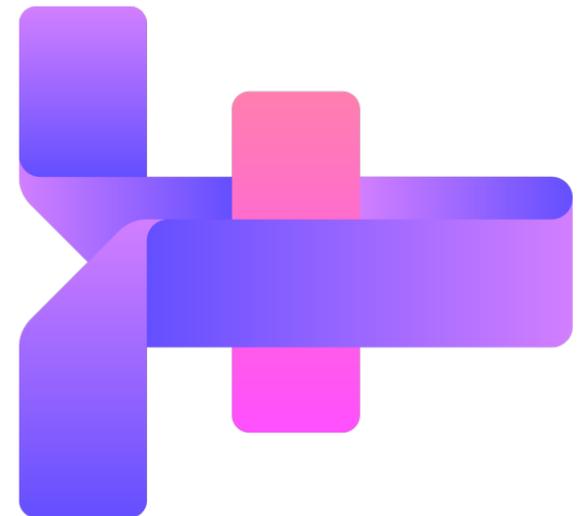
Generated PDF Reports

Our PDF generating library allows us to design and generate PDFs that can be generated with data pulled from within SkySpark.

These PDFs can contain preformatted text, and varying image types, such as PNG and SVG. This includes views from within SkySpark that can be exported out as SVG images.

Integrating the library directly in to SkySpark allows us to pull up-to-date data straight from within folio, meaning no need for awkward CSV or trio exports, allowing you to present your data in a user-friendly format for customer-facing reports.

This example document contains an example set of designs that can be built for giving overviews of your SkySpark projects.



Report Overview

Period Reported:	2/1/23 to 3/1/23
Building Sqft:	102,669m ²
Monitored Hydronic Equips:	CHW
Monitored Airside Equips:	AHU
Rules Applied:	25
Points Monitored:	4

Executive Summary

Item	Fault Detection & Diagnostic Check	Fault Duration (days)	Comfort Priority	Energy Priority	Equipment Impacted
1	AHU Heating and Cooling	18	6	6	AHU
2	AHU Return Air Temp outside thresholds	18	10	5	AHU
3	Start-Stop left on override	28	8	2	Heating Start-Stop (AHU), Chiller Start-Stop (CHW)
4	Chiller Temp outside thresholds	18	2	2	CHW

*Ordered by priority and duration

Next Steps

Result	Fault Detection & Diagnostic Check	Fault Description	Recommended Action
	AHU Heating and Cooling: AHU	This is an example description of the fault indicated by this rule.	This is an example of actions that should be taken due to this fault being signaled
	AHU Return Air Temp outside thresholds: AHU	This is an example description of the fault indicated by this rule.	This is an example of actions that should be taken due to this fault being signaled
	Start-Stop left on override: Heating Start-Stop (AHU), Chiller Start-Stop (CHW)	This is an example description of the fault indicated by this rule.	This is an example of actions that should be taken due to this fault being signaled
	Chiller Temp outside thresholds: CHW	This is an example description of the fault indicated by this rule.	This is an example of actions that should be taken due to this fault being signaled

Air Handler Diagnostics

(Example Site AHU) (Period: 2/1/2023 to 3/1/2023)

Result	Fault Detection & Diagnostic Check	Fault Total Duration (days)	Active in past week	Comfort Priority	Energy Priority
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Fan

	AHU Fans off and chiller on			3	5
	AHU Fans off and heater on			8	1
	AHU VFD wattage too high			4	3
	AHU VFD speed outside thresholds			5	9
	AHU fans on 24hr			6	5

Temperature

	AHU Discharge Temp too high			1	1
	AHU Supply Air Temp outside thresholds			6	6
	AHU Heating and Cooling	18	⚠	6	6
	AHU Discharge Temp too low			1	9
	AHU Return Air Temp outside thresholds	18	⚠	10	5

Sensor

	AHU indicating leak			8	5
	AHU in malfunctioning state			7	4
	AHU left on override			2	1

Hydronic System Diagnostics

(Example Site CHW) (Period: 2/1/2023 to 3/1/2023)

Result	Fault Detection & Diagnostic Check	Fault Total Duration (days)	Active in past week	Comfort Priority	Energy Priority
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Sensor

	Chiller Discharge Pressure too high			7	9
	Chiller Discharge Pressure too low			9	9
	Chiller Temp outside thresholds	18	▲	2	2
	Chiller in malfunctioning state			10	4
	Chiller Discharge Temp outside thresholds			4	5

Pump

	Chiller valves all closed			3	3
	Chiller pump high pressure			1	5
	Chiller pump constantly on			9	4
	Chiller valve position out of range			8	4
	Chiller pump not enabled 24hr			2	1
	Chiller pump low pressure			9	10
	Chiller all valves open			10	10

Example Exported Spark View

(Period: 2/1/2023 to 3/1/2023)

Point	Rule	Duration	Sat 4th	Tue 7th	Fri 10th	Mon 13th	Thu 16th	Sun 19th	Wed 22nd	Sat 25th	Tue 28th
Example Site AHU Heating Start-Stop	Start-Stop left on override	 14day									
Example Site CHW Chiller Start-Stop	Start-Stop left on override	 14day									

Example Exported Chart

(Period: 2/1/2023 to 3/1/2023)

