



On-Demand Reports - 2HourLead-Sample.xlsx

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Report Templates  
2 Hour Lead Up

Refresh Instance

2 Hour Lead Up Samples

Incident 15:06:52

Date and Time	1 temperatu	2 temperatu	Mixer speed (RPM)	Mixer ram pressure	zone 1 temperatu	zone 2 temperatu	Extruder speed	Extruder pelletizer speed	Batch tank temperatu re	Batch mixer pressure	1 temperatu	2 temperatu
13:06:52	18.00	14.00	15.00	82.10	55.45	18.00	19.00	20.00	16.00	92.76	100.00	75.00
13:11:52	48.00	24.00	30.00	82.81	40.00	48.00	54.00	60.00	36.00	94.53	20.00	20.00
13:16:52	78.00	34.00	32.45	83.50	59.17	78.00	73.04	82.04	56.00	96.25	100.00	75.00
13:21:52	76.14	44.00	32.83	84.17	45.00	78.60	73.42	82.42	56.55	97.92	20.00	20.00
13:26:52	80.54	54.00	33.52	84.81	57.55	80.41	74.11	83.11	58.31	99.53	100.00	75.00
13:31:52	40.00	64.00	35.18	85.43	55.54	78.45	75.77	84.77	56.30	101.07	20.00	20.00
13:36:52	70.00	74.00	33.77	86.02	57.12	80.90	74.36	83.36	56.81	102.56	100.00	75.00
13:41:52	16.00	75.36	32.39	86.59	58.68	76.57	72.99	81.99	57.37	103.97	20.00	20.00
13:46:52	46.00	76.33	34.32	87.13	56.79	81.24	74.91	83.91	55.48	105.31	100.00	75.00
13:51:52	76.00	78.02	35.63	87.63	58.43	82.92	76.22	85.22	57.12	106.58	20.00	20.00
13:56:52	81.00	78.67	36.94	88.11	59.03	83.57	77.53	86.53	57.72	107.77	100.00	75.00
14:01:52	40.00	78.44	36.98	88.55	58.75	83.34	77.57	86.57	57.44	108.87	20.00	20.00
14:06:52	70.00	77.44	36.63	88.96	57.69	82.34	77.22	86.22	56.39	109.90	100.00	75.00
14:11:52	76.52	78.71	38.81	89.33	58.92	83.62	79.40	29.00	57.61	110.83	20.00	20.00
14:16:52	77.20	78.38	39.21	89.67	58.54	83.28	79.80	69.00	57.23	111.67	100.00	75.00
14:21:52	77.19	78.57	43.08	89.97	58.68	83.47	83.67	87.05	57.37	112.43	20.00	20.00
14:26:52	76.67	78.85	42.83	90.23	58.91	83.76	83.42	86.79	57.60	113.08	100.00	75.00
14:31:52	76.55	78.14	39.41	90.46	58.15	83.04	80.00	83.37	56.84	113.65	20.00	20.00
14:36:52	77.85	78.34	40.32	90.65	58.29	83.24	80.91	84.28	56.98	114.11	100.00	75.00
14:41:52	76.75	78.46	38.05	90.79	58.37	83.36	78.64	82.01	57.06	114.48	20.00	20.00
14:46:52	77.96	78.30	37.34	90.90	58.16	83.20	77.93	81.31	56.85	114.75	100.00	75.00
14:51:52	77.69	79.57	39.02	90.97	59.38	84.48	79.61	82.98	58.07	114.93	20.00	20.00
14:56:52	77.31	78.92	39.48	91.00	58.67	83.82	80.07	83.45	57.37	115.00	100.00	75.00
15:01:52	77.35	78.67	40.76	90.99	58.38	83.57	81.35	84.72	57.07	114.97	20.00	20.00
15:06:52	77.70	79.84	41.60	90.94	59.50	84.74	82.19	85.56	58.19	114.84	100.00	75.00

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## Template Studio

Templates can be built from scratch (or from an existing Excel workbook) using XLReporter's Template Studio. Any Excel feature can be used as part of the template. This includes things like formatting (including conditional formatting), formulas, charts, and graphics.

For more information, see **DESIGN, Template Studio** in the **Document Library**.

## Data Connections

When configuring Data Connections for Push Reports here are a few things to keep in mind:

### Historical Data

Historical data is retrieved by creating a History Data Group.

For more information, see **DESIGN, Historical Data Groups** in the **Document Library**.

Under the **Columns** tab of the History Data Group Builder, all tags must be explicitly specified, no variables can be used.

Setup Columns Time Period

Selected Columns

Name	Calculation	Scaling	Heading
MIXER_ZONE1_TEMP	first sample		MIXER_ZONE1_TEMPfirst sample
MIXER_ZONE2_TEMP	first sample		MIXER_ZONE2_TEMPfirst sample
MIXER_SPEED	first sample		MIXER_SPEEDfirst sample
MIXER_RAMPRESSURE	first sample		MIXER_RAMPRESSUREfirst sample
EXTR_ZONE1_TEMP	first sample		EXTR_ZONE1_TEMPfirst sample
EXTR_ZONE2_TEMP	first sample		EXTR_ZONE2_TEMPfirst sample
EXTR_SPEED	first sample		EXTR_SPEEDfirst sample
EXTR_PELLETSPEED	first sample		EXTR_PELLETSPEEDfirst sample
BATCH_TANKTEMP	first sample		BATCH_TANKTEMPfirst sample
BATCH_MIXPRESSURE	first sample		BATCH_MIXPRESSUREfirst sample
BATCH_ZONE1	first sample		BATCH_ZONE1first sample
BATCH_ZONE2	first sample		BATCH_ZONE2first sample

Output Options

Timestamp on first column

Empty rows between records 0

☐ Transpose

☐ Include Heading

Under the **Time Period** tab, the **Period Type** should be *Relative*, *Offset* or *Endpoint* as all of these work off the time when the report is generated. For example, these **Period** settings retrieve data from 2 hours before the report is requested to generate.

Period

Type: Offset

Duration: 2 hour

☐ Start At:

Day: 1

Time: 00:00:00

☒ Offset:

- 2 hour

For **Interval**, if **Count** or **Every** is selected, a fixed value must be specified, this should not be a variable. For example, this **Interval** returns 5-minute values over the **Period**.

Setup Columns Time Period

Period

Type: Offset

Duration: 2 hour

☐ Start At:

Day: 1

Time: 00:00:00

☒ Offset:

- 2 hour

Interval

☐ Count

60

☐ All

☒ Every

5 minute

Bounds to include

None

Endpoints to include

Start Time

Time Ordering

Ascending

## Database Data

Database data is retrieved by creating a Database Data Group.

For more information, see **DESIGN, Relational Database Data Groups** in the **Document Library**.

Under the **Filters** tab, if a filter is applied to a date/time column and the **Condition** is set to **DURATION**, the value should be *Relative*, *Offset* or *Endpoint* as all of these work off the time when the report is generated. For example, these **Value** settings retrieve data from 2 hours before the report is requested to generate.

Value

Type: Offset

Duration: 2 hour

☐ Start At:

Day: 1

Time: 00:00:00

☒ Offset:

- 2 hour

OK Cancel

Note that these translate into a filter using the keywords {date} and {time}.

Setup Columns Filters Order Group Calculations SQL

Optional. Choose conditions to filter the information before it is displayed in the report.

Columns	Conditions	Values	And/Or
<ul style="list-style-type: none"> <li>DiscreteFloat</li> <li>DateAndTime</li> <li>Marker</li> <li>Millitm</li> <li>Status</li> <li>TagIndex</li> <li>Val</li> <li>Expression</li> <li>Function</li> </ul>	<ul style="list-style-type: none"> <li>Numeric</li> <li>String</li> <li>Date/Time               <ul style="list-style-type: none"> <li>=</li> <li>&lt;</li> <li>&gt;</li> <li>&gt;=</li> <li>&lt;=</li> <li>&lt;</li> <li>&gt;</li> <li>DURATION</li> <li>BETWEEN</li> <li>NOT BETWEEN</li> </ul> </li> <li>All</li> </ul>	<ul style="list-style-type: none"> <li>Value</li> <li>List</li> <li>Query</li> </ul>	<ul style="list-style-type: none"> <li>AND</li> <li>AND NOT</li> <li>OR</li> <li>OR NOT</li> </ul>

Filter Condition

DateAndTime >= #date-2h {time-2h}# AND DateAndTime < DateAdd(h', 2, #date-2h {time-2h}#)

At runtime, these keywords are evaluated based on the current date and time.

Any other non-date/time filter must be set to a fixed value, no variables should be specified.

## Expressions

Expressions can be used as data connections to display elements of the date and time with keywords like `{date}` (current date), `{time}` (current time), `{DD}` (day of the month 1-31), etc. In addition, calculations can be set with these keywords. For example `{datim-2h}` evaluates to the date and time 2 hours ago.

Use any expression available to enhance the information in the Push Report.

## Conclusion

Once the Push Report template is complete, it can now be selected in the **WIN-911 Workspace** by selecting **Reporting** then clicking **XLReporter**.