

InSight

What's New in Version 2.10

Compared to Version 2.00



1 Widgets

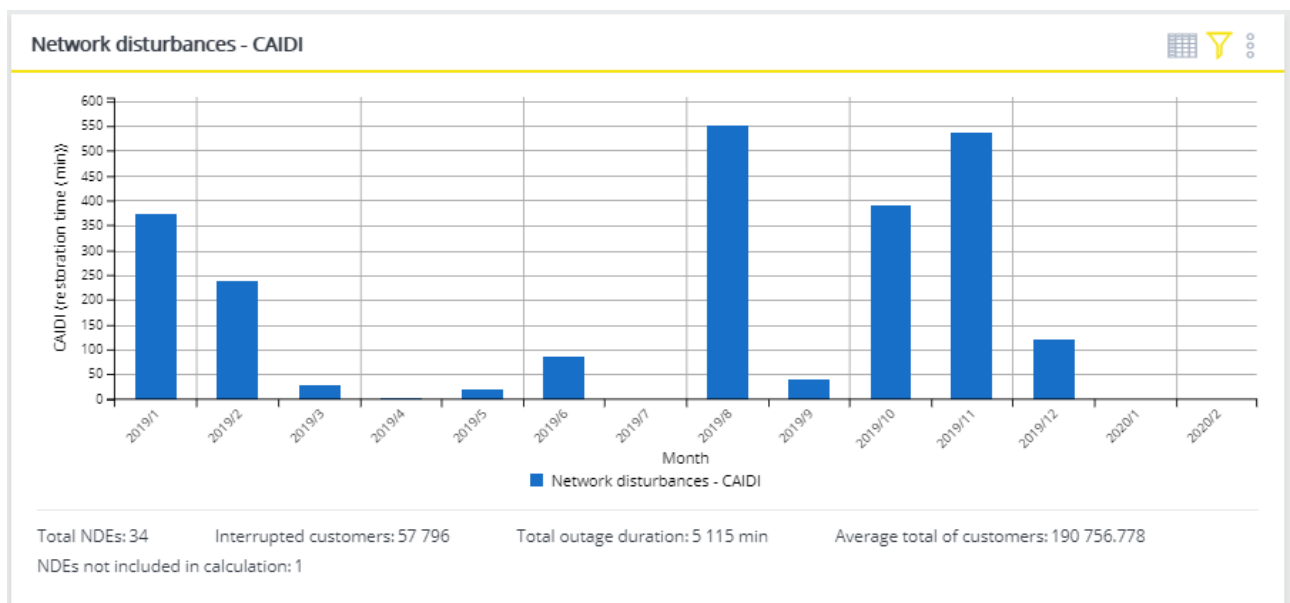
InSight 2.10 now features 16 widgets and thus offers more opportunities than ever to gain valuable information from data provided by *ADMO*.

1.1 Network disturbance statistics widgets

InSight now offers three new widgets to support customers with calculating and reporting network reliability statistics. The energy industry uses standard indices to track the dependability of the power supply network. These indices are calculated from network disturbance data, specifically information regarding outage duration, number of interrupted customers, and number of total customers stored in *ADMO*. *InSight* offers the calculation and visualization for the following three main indices:

- SAIFI (System Average Interruption Frequency Index):
measures how often a customer can expect to experience an outage
- SAIDI (System Average Interruption Duration Index):
measures the average outage duration for each customer served
- CAIDI (Customer Average Interruption Duration Index):
measures the average duration of outage for a customer, i.e. the average restoration time

The corresponding widgets visualize the index data in a bar chart, and offer the possibility to select the time span of the calculation (monthly, quarterly or yearly) and the unit of the interruption duration (seconds, minutes, or hours). When switching to the table view, a list of all network disturbance events with a supply interruption during the selected time span is displayed. The data can be filtered by location, time range, outage duration, disturbance cause, outage type, and disclosure required.



Network disturbances - CAIDI

Event ID	Date	Disturbance cause	CAIDI (min/customer)	Interrupted customers	Total customers	Outage duration (min)
2019-ND601	2019-06-10	Lightning	46	4 566	250 008	
2019-ND602	2019-06-15	Tree	129	3 982		
2019-ND603	2019-06-27	Tree	41	41	250 050	
2019-ND803	2019-08-07	Windstorm	476	2 344	250 023	
2019-ND804	2019-08-09	Windstorm	432	2 349	250 050	
2019-ND801	2019-08-13	Lightning	668	7 897	250 010	
2019-ND802	2019-08-26	Windstorm	35	532	250 007	

Total NDEs: 34 Interrupted customers: 57 796 Total outage duration: 5 115 min Average total of customers: 190 756.778
 NDEs not included in calculation: 1

1.2 Events widget

The new **Event** widget provides a list of all events including event-specific data managed in *ADMO*. The great power of the widget lies in the very extensive filter capabilities. The data can be filtered by event type, event status, time range, location, asset, timeline, tester, and responsible person. This makes the widget particularly useful for several applications, especially in the area of maintenance planning and controlling. A user can easily create an email notification with the pre-filtered data.

Events

Event type	Event date	Event status	Test assessment	Tester	Timeline	Asset kind
Battery change	2018-02-12	Completed	Passed	Mateo Gracias	2nd timeline	Protective rela
Battery change	2018-04-10	Completed	Passed	Mateo Gracias	2nd timeline	Protective rela
Maintenance	2018-06-07	Planned	Not performed	Henry Wiggins	Maintenance	Protective rela
Battery change	2018-06-12	Completed	Passed	Mateo Gracias	2nd timeline	Protective rela
Maintenance	2018-06-26	Completed	Passed	Matteo Russo	Maintenance	Protective rela

Total events: 46

1.3 Expansion of Asset report widget by segment column and segment filter

The **Asset report** widget lists maintenance-specific information of all assets, and is specifically helpful for all customers who are required to comply with PRC-005. The widget provides a list of all assets, their monitoring status, maintenance program, current maintenance status, the dates of the last two maintenance events and the date of the next planned maintenance event. The widget was expanded by the segment column and the corresponding filter option. This allows users to generate even more specific asset reports (e.g. separate assets by NERC relevance or by different categories for condition or performance-based maintenance).

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and detailed contact information of our
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