



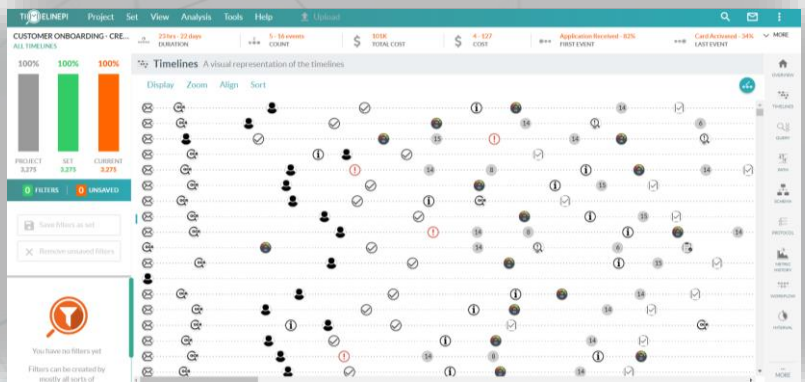
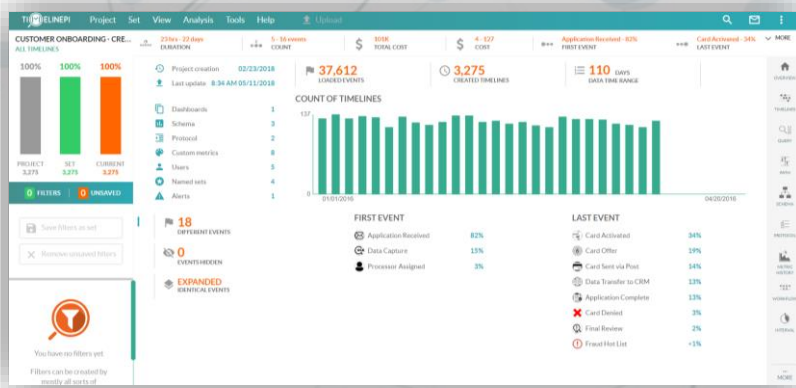
TIMELINEPI

Advanced Analytics

**Robotic Process
Automation (RPA)**

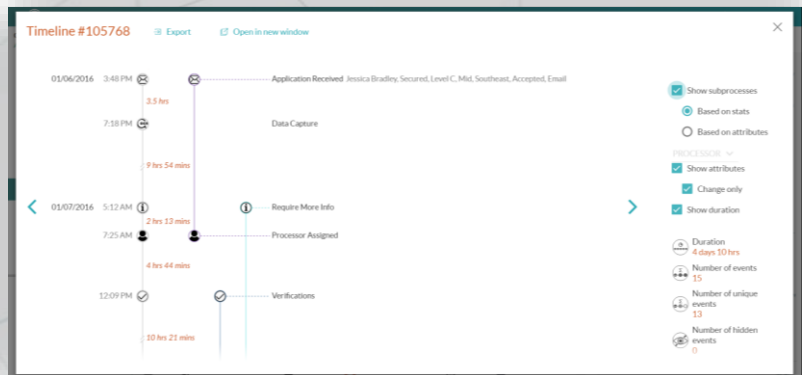
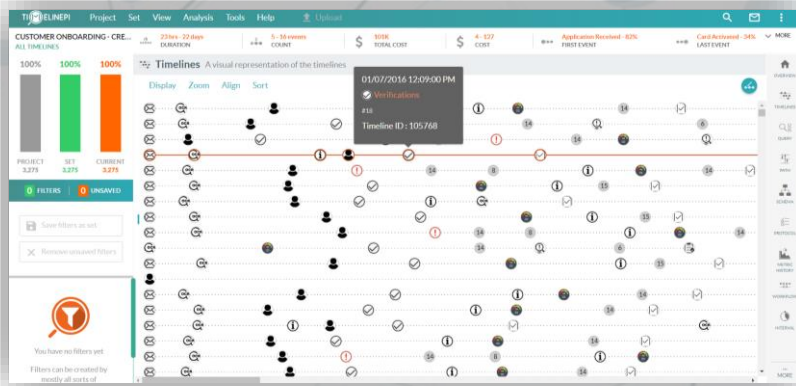
Process Overview

The Timeline Overview gives you important information on how both robotic and manual segments of your business processes are being executed from end-to-end. The top bar also displays the average days, number of unique events, total cost, average cost and the most common first and last events happening within your processes. Display how many events are loaded into the software, how many processes are created from these events and the total duration it takes from the initial call to the close of the project within seconds of loading the data.



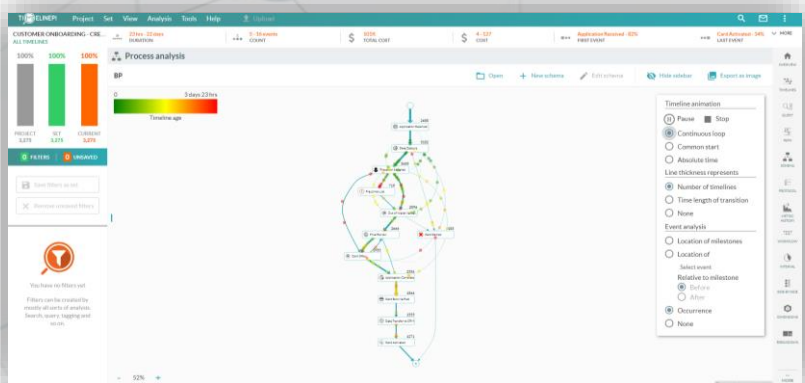
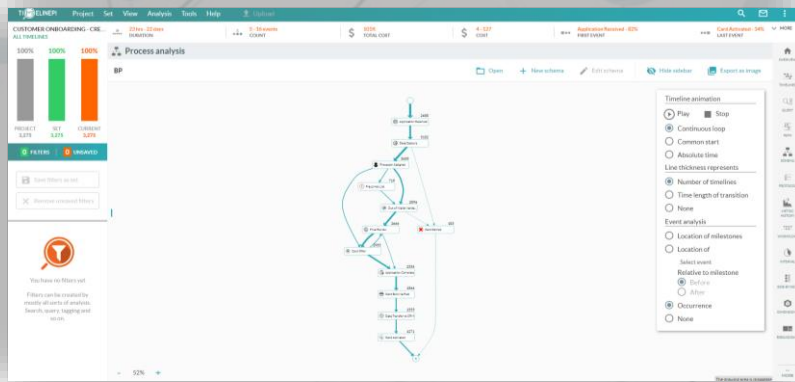
Timeline Analysis

The Timeline view is a graphical representation of all individual processes based on the data accessed thru RPA application. Each case is treated as a complete process with a distinct start and finish point. All related and recorded events are sequenced in the order of execution, each placed relative to the time of occurrence. Detailed Case Analysis allows users to load events from a variety of systems and in different formats which it then automatically organizes into its corresponding process instances and allows them to be analyzed with a variety of visualization, discovery and query techniques. This includes all sub processes that highlight the resources involved and actions taken.



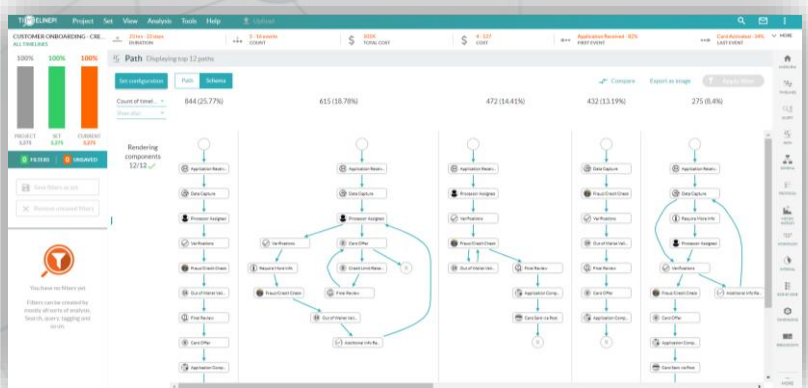
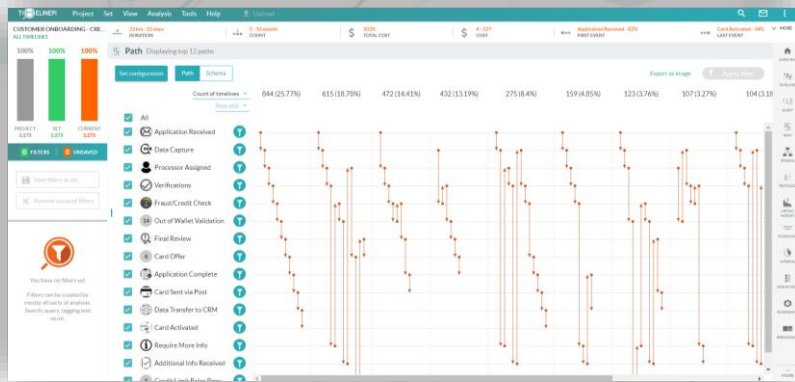
Process Schema Analysis

Process Schema Analysis maps robotic process steps using traditional scheme-based rendering that can be animated. Instantly recognize when steps are performed out of order or repeated excessively. Select the most common steps within a process and add variants until every step is combined in one simple image. Analyze flows with animation - schema displays visual indicators of routes, intensity, duration to identify bottlenecks and efficiency improvement opportunities for further drill down. As processes age, users can quickly identify process instances that are delayed and taking longer than others. Users can quickly discover areas where bottlenecks are present and drill in to specific process instances to investigate root cause.



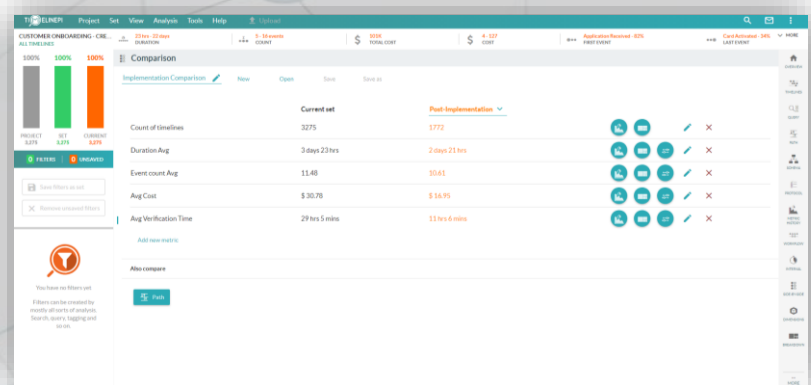
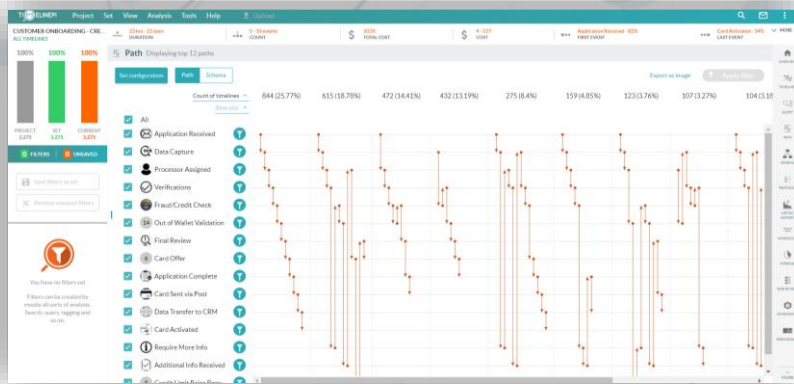
Path Analysis

Path Analysis delivers a simplified graphical representation of incidents grouped by identical schema. Sorting views include counts of timelines, total cost, average duration, number, or cost of events. Sort order is predicated on the first (top) sort grouping selected. This view provides a good visual orientation to the frequency distribution of every actual set of similar robotic processes. Filters can be applied to isolate and analyze patterns against many different criteria. Switch between path view, or a traditional schema view, to facilitate better understanding and comparison of variation between robotic process groupings.



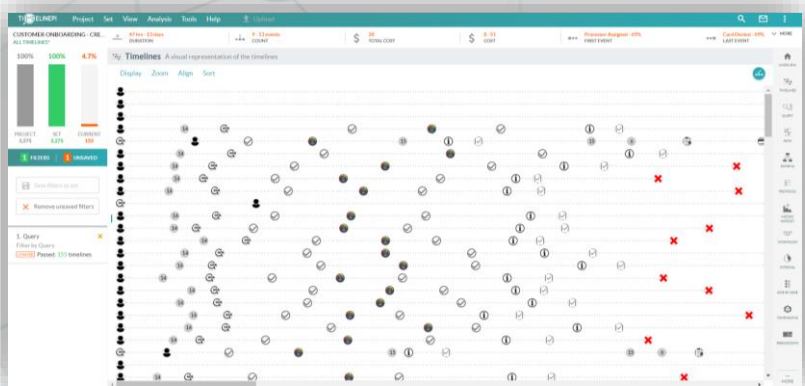
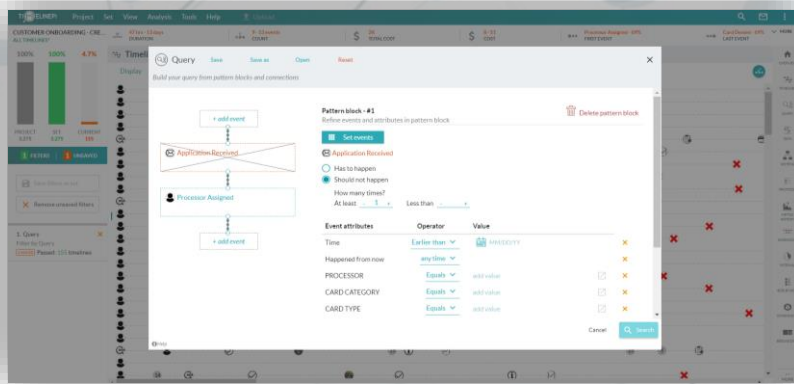
Filtering

This drill into detail helps understand and characterize variables attributed to specific robotic process flows. Include or exclude specific parts of data as desired. Filtering can be applied across all modules within Timeline's software. It facilitates highly granular analysis that helps isolate the root cause of process behaviors. Filtering supports rapid targeting of inefficient, unusual or high robotic processes, as well as compliance risks. Save filtered sets to compare side-by-side or to check against newly loaded data.



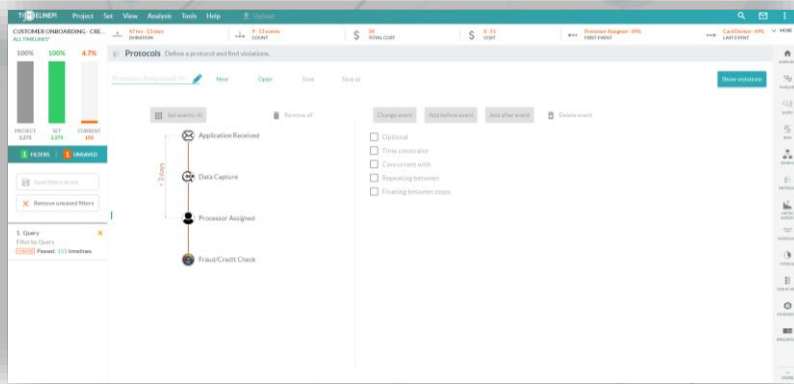
Query Analysis

Perform complex searches in an easy to use, simple point-and-click configuration tool. Find claims events that match your conditions with sub-second response time. Query Analysis facilitates drag and drop query building that delivers data views which follow a specific set of criteria set by you. Depending on what you want to see queries can either be simple or complex. Utilizing queries allows you to focus in on specific questions you may have regarding your data. Queries provide the first piece of the puzzle when looking into compliance issues within your organization.



Protocol Analysis

Protocol Analysis allows users to predefine a set of events within a process. Protocols do not have to be a single linear sequence; multiple branches can stem from the same event. Protocol complexity is supported: protocols may include Concurrent Activities, Forks, Repetitions, and Merging. After parameters are set, Protocol analysis alerts in near real time on all violations of predefined rules and the RPA application implemented utilizes AI capabilities to make corrections to the processes.



The screenshot shows a 'PROTOCOL VIOLATIONS' report window. It contains a table with columns for 'Protocol Item', 'Violation Type', 'Count', and 'Timeliness'. The table lists several violations, each with an 'Apply filter' button. Below the table, there is a section for 'Filtering violations' and a 'Fraud/Credit Check' step in the background flowchart.

Protocol Item	Violation Type	Count	Timeliness	Action
Data Capture	Missing step	472 (16.94%)	14.41%	Apply filter
Data Capture	Wrong position	76 (2.72%)	2.32%	Apply filter
Data Capture	Wrong count	379 (13.6%)	11.57%	Apply filter
Fraud/Credit Check	Missing step	190 (6.66%)	5.5%	Apply filter
Fraud/Credit Check	Wrong count	472 (16.94%)	14.41%	Apply filter
Processor Assigned	Wrong count	655 (22.07%)	19.70%	Apply filter
Processor Assigned	Time violation	592 (21.25%)	18.00%	Apply filter