NTX Solusi Teknologi
Next Technology

# INSIGHT AI

## Product Sheet

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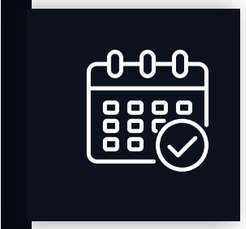
# INSIGHT AI

Building knowledge requires us to understand the patterns of information contained within a deluge of data, but it is not a walk in the park. The rapidly shifting dynamics in the process of data creation makes it impossible for us, normal people, to keep up. The solution is to abstract some of our tasks that can be automated, so we can focus on the things that matter.

Insight AI was designed to automate knowledge discovery by learning the relationships between facts that it had found. It was not designed to replace the users, but instead to help and work together with them, by continuously learning new facts from the data and reasoning the relationships between them, while continuously asking its user for feedback. This way, Insight AI does not wildly learn things out of context and proportion, but instead becomes a trusty partner that was uniquely molded for its users.

This is our concept of a learning machine. A machine that can learn, reason, and enable its users to think better. This is our insight, and it comes equipped with these powerful modules, that can be tailored to user requirements.



## Notio

Serving as a bridge between analysts and our reasoning system, the application focuses on two important functions. The first is to help analysts structure their thoughts, providing them with a canvas to sketch out their idea. It is not an ordinary canvas, as it comes equipped with a recommendation system to suggest relevant facts to enrich user analysis. As we understand each people's thought process and workflow is unique, Adnexus was designed to be customisable, letting users define it on their own liking.

The second function is as a feedback mechanism for the AI system, enabling continuous learning in every interaction. In learning, it will start to extract and understand which facts are more important and which are not, and most importantly, how users connect facts between each other. By doing this, the AI can learn to make better reasoning about the facts contained within.

## Cerebro

To understand facts is important, but understanding how the facts relate with one another is crucial in analysis. Cerebro automatically find the knowledge contained within the system to extract and parse information about events, find the relevant facts related to an event, and wrap them up in a digestible package.

Cerebro help users to understand how events relate with one another, both visible and hidden, and predict events that can follow the series, and to help users figure out how a series of seemingly unrelated events can escalate into a domino effect of unprecedented situations.

In its analysis, Cerebro will figure out the components of an event: what happened, where and when it happened, and who the actors are. What separates Cerebro from the pack is how it can also show how all of the components relate and interact among each other.

We understand that analysts should also apply their experience and knowledge to create better links and connections, and that is the reason why Cerebro is designed to be able to receive feedback afrom analysts, enabling it to perpetually learn and improve its prediction and recommendation quality.

## Prudentis

Predictive models need to be tested, validated, and evaluated continuously. Prudentis allows the system to learn from the results of its own learnings. Based on inputs from the sequence of events that the analysts had built, this system will predict the risk value of such events. The risk would then be compared to actual results, for the system to improve itself.

The system was designed to be open minded, in the sense that it holds no presumptions about any sequence of events. This open mindedness would be useful when we seek to add specific tools and methods to define the risk potentials, as two predictions can hold different weights, as predicting landslides can't be equated to predicting soccer match outcomes.

Anteum is equipped with two important learning capacities: self evaluate its own predictions and actively learn to make better predictions. In doing this, we understand that the system will need to be interacting continuously with the users to further better the learning process.

Talk to our consultants about how we can incorporate your knowledge and experience into a reasoning machine, and we would be glad to help you figure out how to improve your business process.