HanAra Software

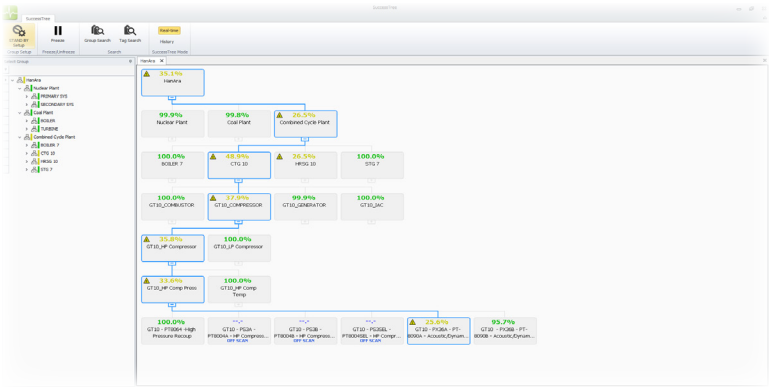
HanPHI SuccessTree

The HanPHI SuccessTree is a hierarchical representation of the plant system, subsystems, and sensors. It displays the health status index from the plant level to individual sensors in a logic tree format. This allows users to monitor and navigate all of their systems quickly and easily and drill down to potential and hidden failures.

Each SuccessTree is built on correlated sensors, determined by analyzing historical data and the plant process. Rather than looking at an individual piece of equipment or sensor in a vacuum, the SuccessTree allows users to view related sensor and group health indexes all at once.

How It Works

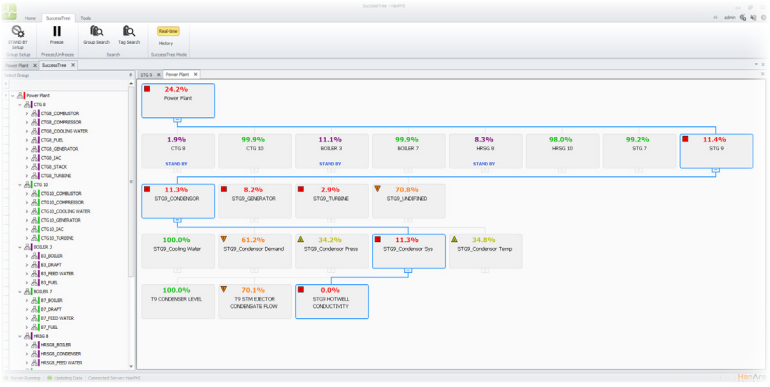
As a part of HanPHI, the SuccessTree provides an intuitive visualization of the current status of the plant and systems. It also provides a graphical view of how sensors and systems are related and their overall impact on the health status of the plant and systems. Using built-in correlation tools as well as system and process expertise, HanAra engineers create the SuccessTrees based on your organization and plant.



With the SuccessTree, users have access to an asset-centric visualization for the current and historical health index. The historical feature allows users to analyze past events and determine the root cause as well as compare past events to current events. And with a single click, users can revert to monitoring the real-time indexes.

In addition, the SuccessTree automatically tracks a signal with the lowest index affecting a whole plant index. Rather than having to search through information, HanPHI alerts you to the signal to focus on first. If there is only one sensor with a low health index, there is most likely a sensor issue or failure. If there is more than one sensor in a correlated group with a low health index, there is most likely a potential or hidden equipment failure.

What's the Value?



The SuccessTree provides an effective visualization tool for root-cause analysis. The SuccessTree not only shows you the health index of the plant, systems, and sensors, but it also focuses you on the systems and sensors that are deviating. This saves you time by pinpointing the root cause. From there, you can investigate and determine the right steps needed to remedy the situation.

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