

Chain Reactions

HOW KNOWLEDGE RELAY'S SOFTWARE HELPS POINT LEPREAU GENERATING STATION KEEP THE LIGHTS ON



WHAT MAKES EVS WORK FOR PLGS?

Modern societies take power for granted. Interruptions to the power supply would disrupt business and home life on a massive scale. With concerns like that in mind, the management at Canada's Point Lepreau Generating Station takes special care to ensure that the lights stay on, even when the plant must be taken offline for maintenance.

Managing the massive influx of workers that descend on the plant during the maintenance outages is a tremendous test of the Station's management and logistic resources. Jobs must be done in the right order or the plant could face extended downtimes or problems that pose a threat to plant safety.

"Delays are expensive," said Steve Brown, PLGS work management supervisor. "They can cause breakdowns inside the plant and they are bad for morale. Knowledge Relay's EVS Business Intelligence Solution gives us a comprehensive suite of tools that is superior to previous solutions used by PLGS."

The upgrade to Knowledge Relay's EVS software package allows the plant's operations and technical departments to schedule the outages down to the micro level, identify the critical work management ties between jobs and ensure that problem areas are identified and dealt with in order.

Finally, the PLGS management team has identified several report generating methods that can be integrated using EVS and they are moving forward on expanding their usage of Knowledge Relay's software package.

FROM PROBLEM TO SOLUTION

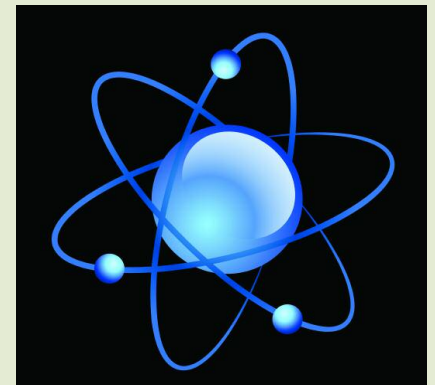
When PLGS recently upgraded their operating systems and software, incompatibility problems were revealed with the legacy systems that put upcoming maintenance outage planning at risk. Point Lepreau management reviewed available options and found that EVS provided the optimal solution to their complicated requirements. After an impressive evaluation and demonstration process, PLGS knew they had the right solution.

Despite a tight timeline for implementing the new EVS system, the transition was successful.

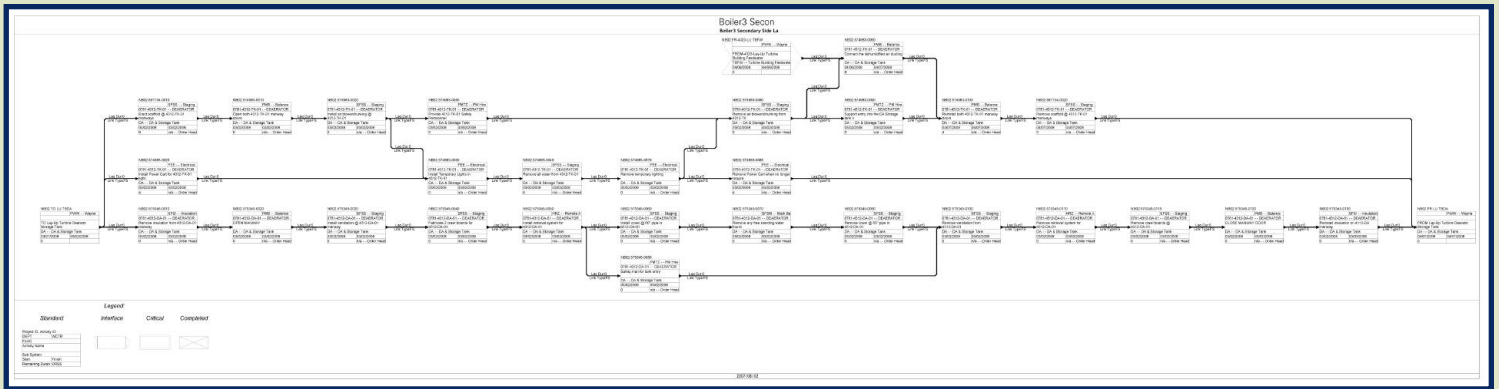
"The staff at Knowledge Relay is very responsive and they did a great job of training our power users on using the software," said Mr. Brown.

"Since the implementation of Knowledge Relay's Enterprise Visualization Suite, we have been able to avoid extended outage delay costs that run into the hundreds of thousands of dollars per day."

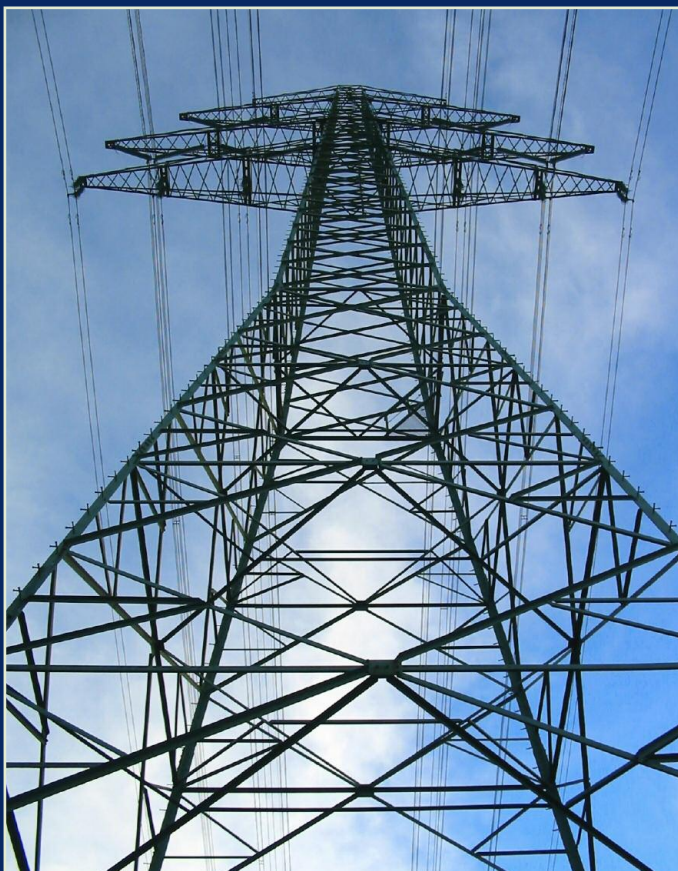
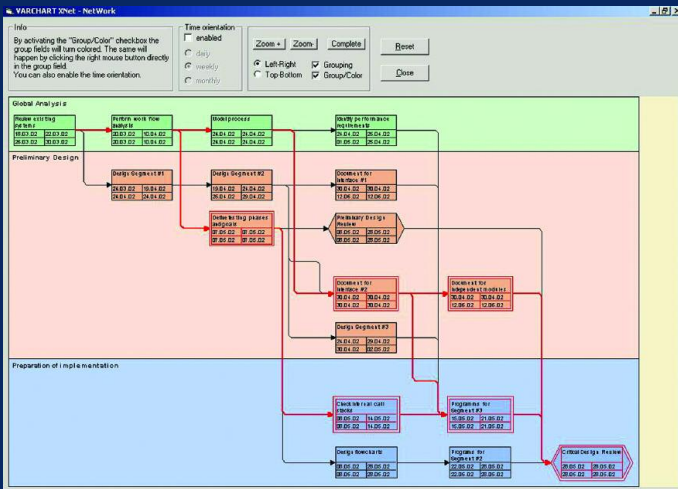
— Steve Brown
Work Management Supervisor
Point Lepreau Generating Station (PLGS)
New Brunswick Power Nuclear Corporation



- Enterprise Visualization Suite (EVS) identifies critical ties that, if slipped, could prolong outages
- PLGS customers and employees get peace of mind
- Management committed to further investment in EVS



PRECEDENCE DIAGRAMS



In addition to the training, the team at Knowledge Relay has continued to work with PLGS staff to optimize EVS for the work being done at the generating station. Past queries were limited to 25,000 records, but with EVS that limit has been removed. Team responsiveness and the overall versatility of the EVS software package led Mr. Brown and the PLGS to look for other ways to integrate EVS into plant operations.

EXPANDING THE RELATIONSHIP

EVS is being used by PLGS to shine a light on the way maintenance is conducted in the plant, allowing easy logic review for internal managers and third party contractors. By generating outage schedules that are dependable, the station can go into its maintenance outages confident that the work will be completed on time and on budget.

Mr. Brown, working with the support team at Knowledge Relay, began looking for other opportunities to integrate the software in ways that made strategic sense for PLGS and New Brunswick Power. As a result of his research, PLGS is preparing to add EVS multi-format reports to their toolset.

“Right now we’ve got people that have to access multiple databases when compiling reports,” said Mr. Brown. “With Knowledge Relay’s solution, we’ll get a much simpler system that will save time and money. With EVS, report generation will be as simple as pushing a button.”

In nuclear power plant operations, efficiency and maintenance are critical to meeting customer demand and plant safety. By integrating Knowledge Relay’s EVS software, the PLGS saw significant gains in both areas that will play a key role in eliminating costly price overruns and maintenance problems that pose a threat to employee and plant safety.


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