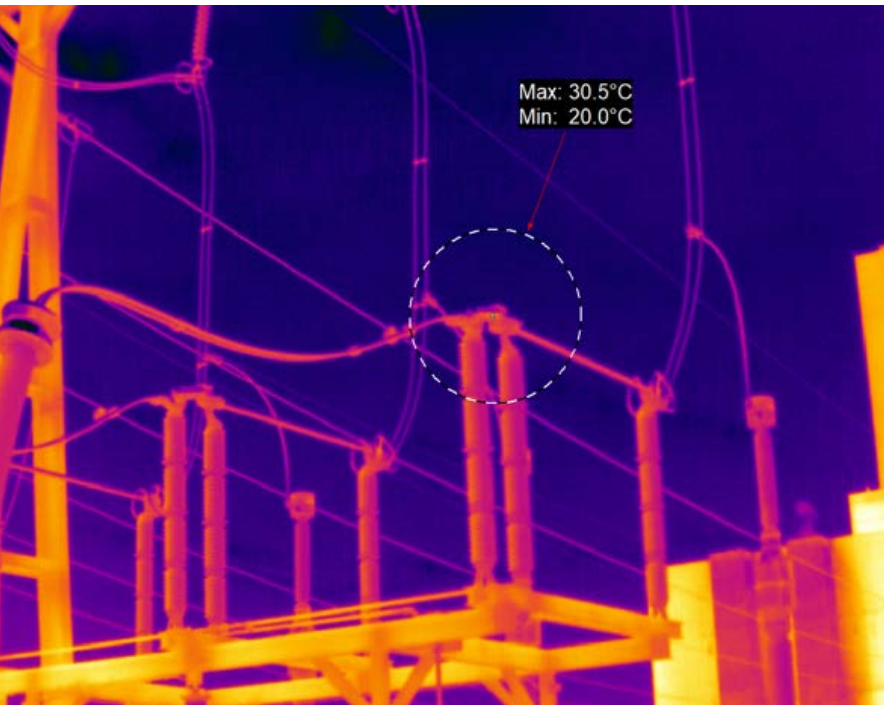


APPLICATION NOTE

Maintain 24/7 Plant Operations with Continuous Infrared Temperature Monitoring

Introduction

While distributed renewable energy sources have made headlines for their progress in cost reduction – effectively supplementing the electrical grid with clean power – the majority of electricity consumer across the globe continues to be produced at centralized plants ranging from traditional coal power plants to clean hydroelectric facilities. At these facilities, as well as numerous industrial manufacturing and automation plants across the globe, there is a variety of machinery critical to operation that, if it fails, can cause a score of problems including plant downtime and increased costs associated with repairs and re-establishing operation. With fixed thermal imaging, however, you can keep your site under control with continuous temperature monitoring, auto-alarming features, and more.



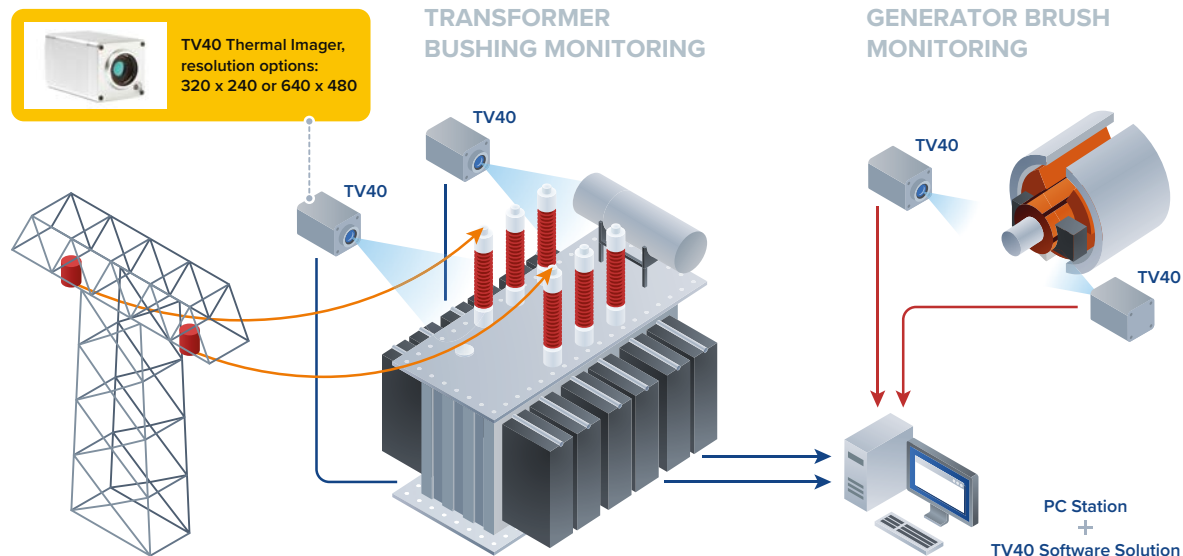
Monitoring Critical Equipment

More often than not, handheld thermal cameras are used to identify hot spots on critical machinery throughout a plant, as these inconsistencies are typically indicative of an issue. While this form of accurate, non-contact temperature measurement allows you to identify risky areas and take corrective actions before a failure, it can only be performed intermittently, and you may not detect the problem in time. Human error can also create its own breadth of difficulties. However, by implementing a fixed thermal imaging solution, you can automate your process monitoring and control and expand your view to see it all, all the time.

Expand Your View

The ThermoView TV40 is a fixed thermal imaging camera and software package that provides continuous infrared and visual feeds with actionable analytics that are ideal for facilities that need to monitor critical equipment, even in the harshest environments. The imager can read temperatures up to 1200 °C (2192 °F), features simultaneous infrared and visible sighting for easy alignment

POWER PLANT MONITORING



and the ability to quickly locate problems, is rated for ambient temperatures up to 200 °C (392 °F) with additional accessories, and more.

With the ability to personalize your integration and automate your process monitoring, fixed thermal imaging also allows you to easily detect inconsistent temperatures with unlimited areas of interest and auto-alarming features, which notify your team when parameters are out of established conditions or when conditions are changing. Furthermore, the ThermoView software enables you to integrate multiple cameras and additional accessories such as the Pan and Tilt for complete site coverage.

By continuously monitoring your critical machinery for hot spots, you can better schedule routine maintenance and can gain better control of your process in order to improve uptime and throughput. The ThermoView TV40 is also an ideal solution for process control, product quality checks, and safety inspections.

Conclusion

Don't let unexpected equipment failures disrupt your site operations. By implementing the ThermoView TV40, you can take a proactive approach and rest easy knowing that your equipment will be watched over 24/7/365 with custom personalization options.

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