



Application Brief: That Bar-B-Q Place

*Everything but the kitchen sink:
controlling restaurant systems by
phone*

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Opto 22

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Form 2091-210412

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APPLICATION BRIEF: THAT BAR-B-Q PLACE

Everything but the kitchen sink: controlling restaurant systems by phone

THE CHALLENGE

Your average restaurant houses a large assortment of mechanical and electrical systems. Most modern restaurants have systems for lighting, HVAC, security, fire alarm, outside signage, and audio/video. Commercial kitchens add refrigeration, fire suppression, and specialized ventilation systems.

Now consider that each of these systems has its own readouts, dials, switches, alerts, screens, and other controls. If you need to keep track of all this, you're going to be busy.

Edmonton, Alberta-restaurant owner Dave Brosseau has given this problem a lot of thought. With wife Trina, Brosseau owns "That Bar-B-Q Place," a barbecue restaurant specializing in the slow-smoked barbecue style found in the Southern United States.

Brosseau, however, also runs CASE Technologies, Ltd., a Canadian automation integrator based in Edmonton. As an



industrial engineer, he knew the systems his restaurant contained—in some cases having installed them himself—and he had an idea how to bring together the controls and indicators for these systems in one place.

THE SOLUTION

Brosseau instrumented the existing systems in the restaurant and connected them to his Opto 22 SNAP PAC System. He had heard about *groov* View and, after ordering a *groov* Box for the restaurant, he developed interface screens for the restaurant's connected systems and devices.

"That Bar-B-Q Place" now has a web-based *groov* View interface that monitors and controls the entire building. Restaurant staff use their smartphones—at work as well as remotely—or a web browser running on a PC at the restaurant's front desk to monitor and control security, fire alarm, fire suppression, HVAC, lighting, outside signage, TV menus, and even the kitchen hood fan.

While no stranger to HMIs (human-machine interfaces), Brosseau thought building and running a *groov* View interface was particularly easy.

"It was easy to implement," he says, "and an easy way to make the restaurant's systems visible, especially on smartphones."

THE CUSTOMER

That Bar-B-Q Place: www.thatbarbqplace.com

ABOUT OPTO 22

Opto 22 was started in 1974 by a co-inventor of the solid-state relay (SSR), who discovered a way to make SSRs more reliable.

Opto 22 has consistently built products on open standards rather than on proprietary technologies. The company



Staff at a new barbecue restaurant monitor and control equipment using *groov* View interfaces on mobile devices and PCs.

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developed the red-white-yellow-black color-coding system for input/output (I/O) modules and the open Optomux® protocol, and pioneered Ethernet-based I/O.

In early 2013 Opto 22 introduced *groov* View, an easy-to-use IoT tool for developing and viewing mobile operator interfaces—mobile apps to securely monitor and control virtually any automation system or equipment.

Famous worldwide for its reliable industrial I/O, the company in 2018 introduced *groov* EPIC® (edge programmable industrial controller). EPIC has an open-source Linux® OS and provides connectivity to PLCs, software, and online services, plus data handling and visualization, in addition to real-time control.

All Opto 22 products are manufactured and supported in the U.S.A. Most solid-state SSRs and I/O modules are guaranteed for life.



The company is especially trusted for its continuing policy of providing free product support, free training, and free pre-sales engineering assistance.

For more information, visit opto22.com or contact

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