



**The RACO
SCADA System**

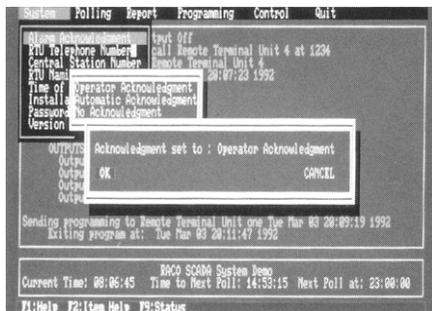
**SCADA made as
economical—and
as convenient—as
your telephone system.**

Now — a remote monitoring and centralized data collection system that's affordable, flexible and expandable.

The system, which can consist of the Central Station Computer and one Verbatim® RTU, is easily expanded to include up to 100 RTUs.



Broad flexibility in alarm-response procedures ensures appropriate action whether the Central Station is manned or unmanned.



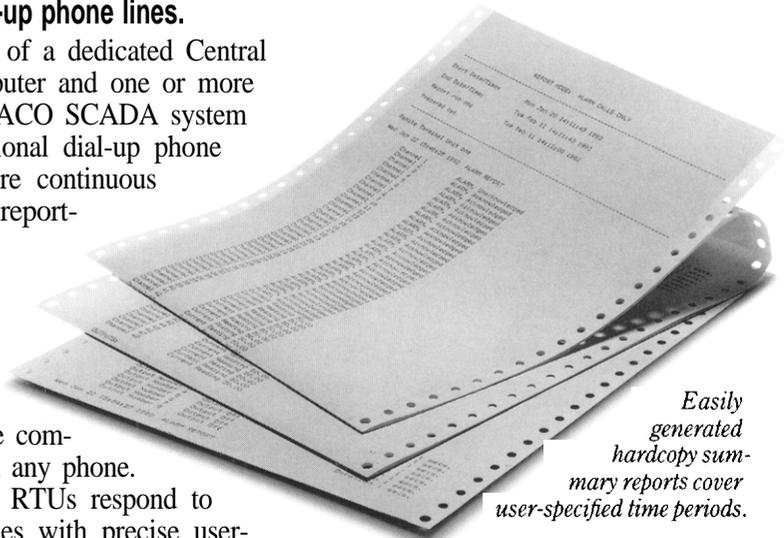
Traditionally, those seeking high-performance SCADA systems have faced formidable challenges. Like high initial cost. The need for specialized communication links and in-depth computer expertise. The prospect of subsequent system expansion that's both expensive and complex.

RACO's innovative SCADA system lets you avoid these barriers. Because it's the system that uses your dial-up phone lines for dependable monitoring, alarming, logging and report generation. It's also the industry's only bilingual system, incorporating RTUs (Remote Terminal Units) that speak to people as well as to computers. It's easy to use, expandable to additional sites, and unparalleled in cost-effectiveness.

Responsive communication— with computers and people — via ordinary dial-up phone lines.

Consisting of a dedicated Central Station Computer and one or more RTUs, the RACO SCADA system uses conventional dial-up phone lines to ensure continuous monitoring, reporting, logging, and alarming. Status inquiries may be made at any time from the computer or from any phone. The system's RTUs respond to phone inquiries with precise user-generated voice messages. Moreover, the RTUs simply won't permit unacknowledged alarms. When alarms occur, the RTUs use the same phone lines to report the alarms, and then seek acknowledgment by calling the Central Station or by sequentially calling as many as 15 phone numbers and delivering voice messages directly to personnel. The RTUs continue this phoning process until acknowledgment is received.

The RACO SCADA system is further distinguished by its extended flexibility in alarm-response procedures. Depending on changes in staffing requirements or expected alarms, the system operator can easily change the acknowledgment mode. Consequently, when an alarm occurs, the Central Station operator can choose to send an acknowledgment to the RTU using a single keystroke. Or, if the Central Station is unmanned, alarms can be either automatically acknowledged or merely logged without acknowledgment. In any situation, when no Central Station acknowledgment is received, the RTU begins making voice calls to personnel. Once acknowledgment is received, the RTU automatically calls the Central Station to log and archive the acknowledgment.



Easily generated hardcopy summary reports cover user-specified time periods.

Easy system control — minimal computer expertise needed.

Inspecting or changing RTU programming from the Central Station is a simple task, thanks to the system's intuitive menu-driven user interface. Further, a comprehensive "context-sensitive" HELP system virtually ends the need for specialized and expensive factory training of system operators and supervisors.

**Take a good look at what this
pace-setting system can do for you.**

Once you load this demonstration program into your IBM PC/AT-compatible computer, you'll quickly see how our SCADA system opens an entirely new range of possibilities. Examine the system's specifications, review its multiple

functions — even use the program to determine your system requirements. It's the best way to convince yourself the RACO system represents a genuine breakthrough in putting high-performance SCADA within easy reach of any organization.



The RACO SCADA system also provides easy review and alteration of RTU programming — from phone numbers to messages — via Touch-Tone® phones. You can even listen to remote-site sounds using the microphone built into each RTU. And the built-in RTU speakerphone offers convenient communication with any personnel present at those remote sites.

Valuable summary reports, rapidly generated on command.

Beyond automatic polling of RTUs at user-selected intervals, the RACO SCADA system permits easy assembly of all archived alarm and status information into clear summary reports. Covering time periods designated by the operator, these time-stamped reports are quickly produced in response to simple keystroke commands using sensibly chosen default options. The reports can be generated either for on-screen viewing or for hardcopy printout, and can reflect archived alarm and status information for a single RTU or for the entire system. Examples of standard reports include: Alarm Exception Reports, Polling Reports and Event Reports.

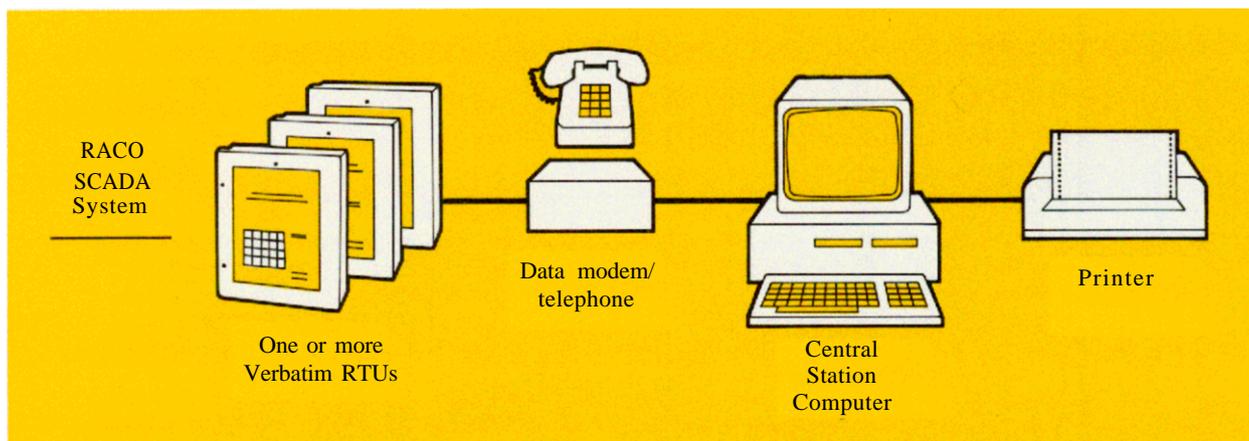
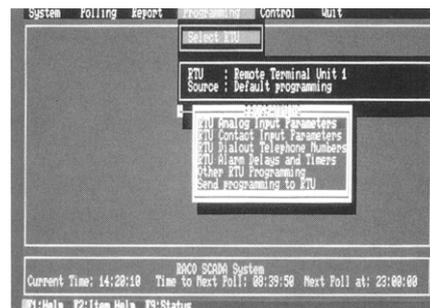
Simple field expandability that lets you avoid the obsolescence trap.

With RACO's SCADA system you won't face imposing technical or financial obstacles when it comes time to expand. You can begin with a single RTU and, as needs change, add up to 99 more.

We've made determining your specific needs easy, too.

Once you've sampled our SCADA system's performance via the enclosed demonstration disk, you'll want to follow up by using the System Configuration Form included in the program to determine your system requirements. Then contact us for an on-site needs analysis. You'll be taking the first steps toward what you want most in a SCADA system — high-reliability monitoring and alarming, detailed documentation, accessibility, easy use, and clearly demonstrable cost-effectiveness.

An intuitive menu-driven user interface simplifies examination or alteration of RTU programming from the Central Station.



Using standard dial-up phone lines, the system allows communication with RTUs via the Central Station Computer or from any telephone.

**Powerful SCADA functions
made affordable, accessible
and expandable.**

- ▶ Dependable single- or multi-point monitoring, alarming, reporting and data archiving
- ▶ Economical communication via standard telephone links
- ▶ Easy expansion- to as many as 100 remote sites
- ▶ Access to status data via computer or telephone
- ▶ Redundant communications including RTU-initiated voice calls to personnel
- ▶ Generation of valuable summary reports
- ▶ Convenient system alteration via Central Station keyboard or Touch-Tone telephone
- ▶ Simplified set-up and control — minimal expertise needed
- ▶ 3-year Verbatim RTU warranty