

# SCATS

Adaptive Traffic Control System

SCATS® is the most proven adaptive system on the market that optimizes cycle length, splits and offsets on a **cycle-by-cycle basis** utilizing real-time detection. For more than 30 years, SCATS has repeatedly provided measured operations improvements to travel time, stops and delay.

## SCATS Proven Results

In the United States, several independent studies have shown that based on reduced emissions alone, system payback has been obtained within 12 months from installation.

### Chula Vista, California

- ▶ System payback in less than 12 months
- ▶ Travel time reduced by up to 20%
- ▶ Delay reduced by up to 45%

### Menlo Park, California

- ▶ Delay reduced by up to 70%
- ▶ Travel time reduced by up to 25%

### Santa Rosa, California

- ▶ Average increase in speed of 49%
- ▶ Average reduction in travel time of 32%

### Sunnyvale, California

- ▶ Reduction in stops between 28% and 54% in all measured time periods
- ▶ Reduction in travel time between 16% and 21% in all measured time periods



### Road Commission for Oakland County, Michigan

- ▶ Off peak travel time reduced by up to 31%
- ▶ Peak period travel time reduced by up to 8%

### Gresham, Oregon

- ▶ Up to 19% reduction in peak-period peak direction travel time
- ▶ Up to 30% reduction in off-peak travel times

**TRANSCORE**  
Trusted Transportation Solutions

# SCATS Features

## Adaptability

SCATS allows for better control of unpredictable traffic patterns. Even consecutive Sundays can experience vastly different traffic patterns, and SCATS provides you the ability to accommodate these variations without manual intervention.

## Real-Time Information

SCATS provides real-time information for both advanced operations and maintenance monitoring. This includes detection, timing, saturation, status, communication and coordination information.

## Real-Time Alarm Monitoring

SCATS provides real-time alarm monitoring, including communications, detection, user access and flash status alarms. The highly intuitive detection alarm monitoring specifies the exact lane with the detection issue, and whether that issue is a constant call or chattering detector -- all from the central GUI.

## Real-Time Time/Space Diagrams

SCATS provides user-configurable real-time time/space diagrams. The diagrams convey easy-to-view real-time status of the corridors and include detection actuations for monitoring platoon arrivals, as well as theoretical travel time information. This also provides an efficient and easy-to-use method for real-time fine tuning of system coordination aspects.

## Historical Reports

On a daily basis, SCATS collects and saves information for future use and historical reporting. This includes timing, detection actuation, lane saturation, lane volume, coordination and adaptive trigger information. This information can then be used for future planning purposes or for reviewing past operations.

## Cost Effectiveness

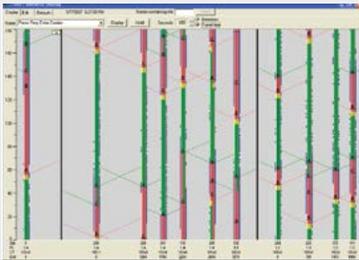
SCATS reduces overall operational costs as it is self-calibrating and does not require on-going traffic counts or manual development of timing plans. In addition, SCATS is an off-the-shelf software package that utilizes contemporary hardware and the Windows® operating environment. SCATS adaptive control, unlike other adaptive control systems, is also a standalone system that requires no separate underlying control system.



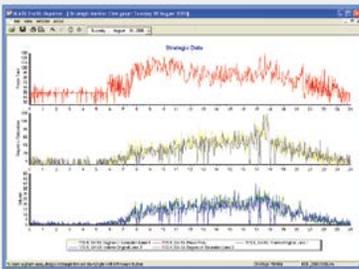
*Real-Time Information*



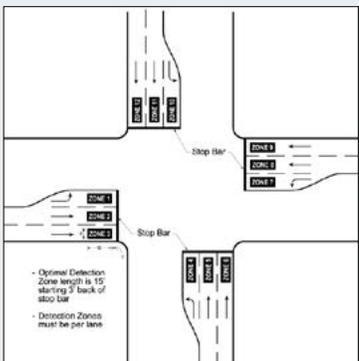
*Real-Time Alarm Monitoring*



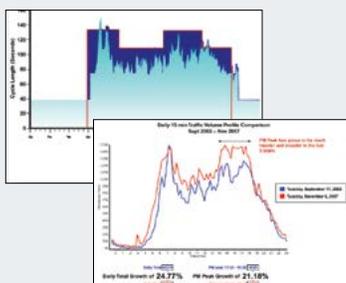
*Real-Time Time/Space Diagrams*



*Historical Reports*



*Cost Effectiveness*



*Immediate and Long-Term Benefits*





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## For more information:

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