

# Remote Site Monitoring Tutorial

A guide from

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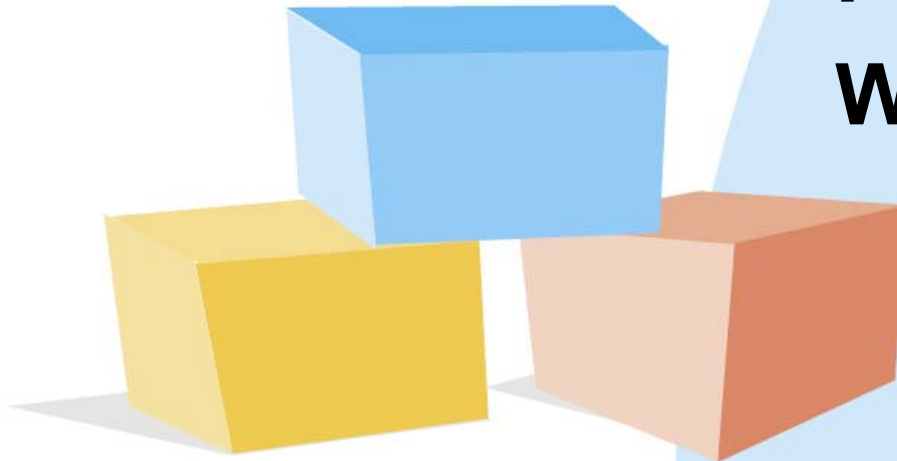
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# Remote Site Monitoring Tutorial

An introduction to Remote Site Monitoring essentials:

- What you must monitor
- How to design a remote site monitoring system
- How to minimize your costs

**Part 1:**  
**Where to Start?**



# Tutorial Overview

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1. Remote Site Monitoring – Where to Start?
2. How Do You Monitor It?
3. How to Plan a Monitoring Deployment

# Remote Site Monitoring - Where to Start?

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## 1. Survey where you are now

- What monitoring gear do you already have?
- What do you need to monitor?
- What transport is available at your sites?

## 2. Define your monitoring goals

- What would your ideal system look like?

## 3. Plan your monitoring upgrade

- Upgrade at once or during several budgets?
- What are the highest-priority functions?

# What Monitoring Gear Do You Have?

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1. Starting from scratch?
2. Inheriting an older system?
3. Need to add monitoring at new sites?

Which of the following are you failing to monitor?...

# What Equipment Needs Monitoring?

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- 1. Telecom and transport gear**  
(switches, routers, SONET, fiber, microwave radios)
- 2. Power supplies**  
(commercial AC, battery plants, rectifiers, generators, UPS systems)

# What Equipment Needs Monitoring?

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## 3. **Building and facility alarms**

(intrusion, entry, open door, fire, smoke, flooding)

## 4. **Environmental conditions**

(temperature, humidity...)

# General Principles for Monitoring:

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1. Be Reasonably Paranoid
2. More Detail = Less Waste
3. Buy Upgradeable & Scale Up
4. Plan for the Next Five Years

# Planning Your Monitoring Deployment

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1. Review the previous lists
2. Recall historical incidents in your network that should have been caught
3. Consult an expert

# Recommend Monitoring Expert

## DPS Telecom

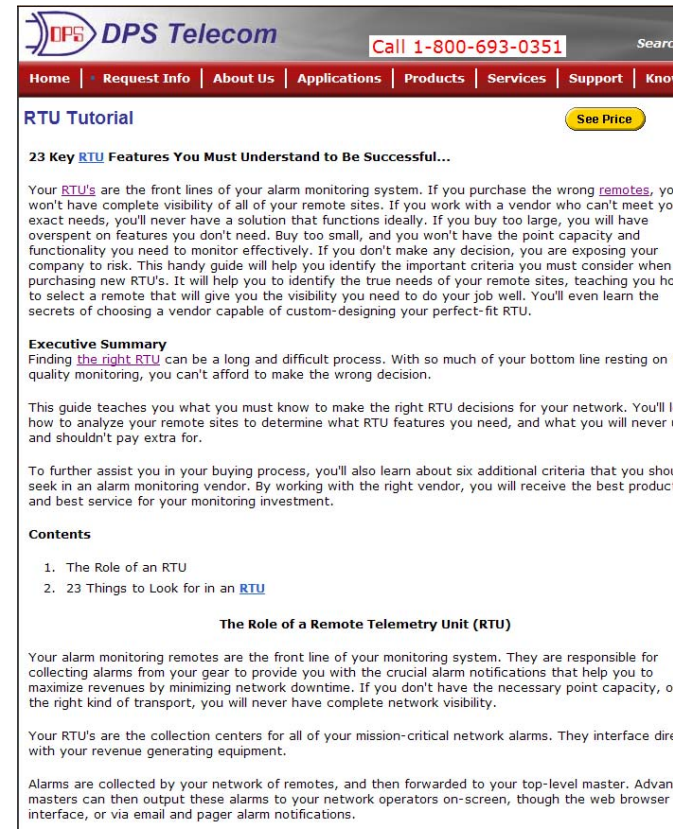
- Monitoring reference site:

[www.dpstele.com](http://www.dpstele.com)

- Discuss your project:

1-800-693-0351

1-800-693-0351



The screenshot shows the DPS Telecom website. The header includes the company logo, the name "DPS Telecom", a phone number "Call 1-800-693-0351", and a search bar. The navigation menu contains links for Home, Request Info, About Us, Applications, Products, Services, Support, and Knowledge. The main content area is titled "RTU Tutorial" and includes a "See Price" button. The text discusses the importance of choosing the right RTU for an alarm monitoring system, mentioning factors like visibility, capacity, and cost. It also includes an "Executive Summary" and a "Contents" section with two items: "1. The Role of an RTU" and "2. 23 Things to Look for in an RTU".

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### RTU Tutorial [See Price](#)

**23 Key RTU Features You Must Understand to Be Successful...**

Your **RTU's** are the front lines of your alarm monitoring system. If you purchase the wrong **remotes**, you won't have complete visibility of all of your remote sites. If you work with a vendor who can't meet your exact needs, you'll never have a solution that functions ideally. If you buy too large, you will have overspent on features you don't need. Buy too small, and you won't have the point capacity and functionality you need to monitor effectively. If you don't make any decision, you are exposing your company to risk. This handy guide will help you identify the important criteria you must consider when purchasing new RTU's. It will help you to identify the true needs of your remote sites, teaching you how to select a remote that will give you the visibility you need to do your job well. You'll even learn the secrets of choosing a vendor capable of custom-designing your perfect-fit RTU.

**Executive Summary**  
Finding the right RTU can be a long and difficult process. With so much of your bottom line resting on quality monitoring, you can't afford to make the wrong decision.

This guide teaches you what you must know to make the right RTU decisions for your network. You'll learn how to analyze your remote sites to determine what RTU features you need, and what you will never need and shouldn't pay extra for.

To further assist you in your buying process, you'll also learn about six additional criteria that you should seek in an alarm monitoring vendor. By working with the right vendor, you will receive the best product and best service for your monitoring investment.

**Contents**

1. The Role of an RTU
2. 23 Things to Look for in an [RTU](#)

**The Role of a Remote Telemetry Unit (RTU)**

Your alarm monitoring remotes are the front line of your monitoring system. They are responsible for collecting alarms from your gear to provide you with the crucial alarm notifications that help you to maximize revenues by minimizing network downtime. If you don't have the necessary point capacity, or the right kind of transport, you will never have complete network visibility.

Your RTU's are the collection centers for all of your mission-critical network alarms. They interface directly with your revenue generating equipment.

Alarms are collected by your network of remotes, and then forwarded to your top-level master. Advanced masters can then output these alarms to your network operators on-screen, through the web browser interface, or via email and pager alarm notifications.