

FUNDAMENTALS OF SUCCESSFUL WIRELESS FM IMPLEMENTATION

The unique **two-day workshop** that takes the mystery out of wireless facilities management

The Premas Wireless Facilities Management Workshop is a one and one half day intensive educational course designed for FM professionals. Participants will be introduced to the growing application of wireless technology in all facets of facilities management. During the six individual working modules attendees will learn the basics of wireless technologies and where these applications are headed in the future; they will be introduced to the benefits of integrating wireless technologies with building management systems; they will be provided with insight and a review of a working wireless facility application; and finally the members of the workshop will be presented with the use of wireless in the critical areas of facility safety and security.

WORKSHOP MODULES

DAY ONE

- ◆ INTRODUCTION
- ◆ THE BENEFITS OF WIRELESS FACILITIES MANAGEMENT
- ◆ IMPLEMENTATION OPTIONS
- ◆ IMPACT ON OPERATIONS AND PERSONNEL
- ◆ FUTURE TRENDS

DAY TWO

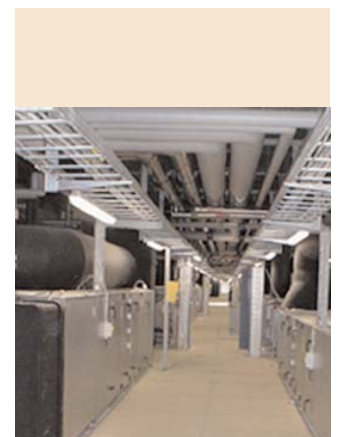
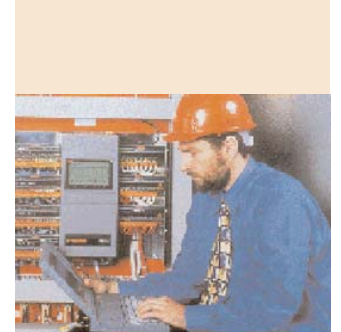
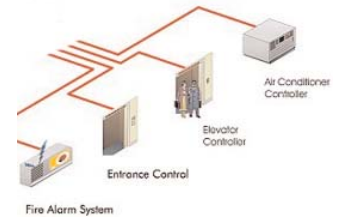
- ◆ CASE STUDY
- ◆ SAFETY AND SECURITY

Who Needs Wireless Facilities Management Training?

- ◆ Managers and supervisors
- ◆ Project leaders
- ◆ Architects and engineers
- ◆ Team leaders

Almost everyone's job today includes the requirement for keeping pace with technological advancements. The need for a straightforward framework for successfully evaluating and managing the advance of wireless technologies has never been greater. *Fundamentals of Successful Wireless FM Implementation* provides the real-world approach and teaches the fundamental knowledge that everyone who works in facilities management can benefit from.

PREMAS
INTERNATIONAL



DAY 1**8 A.M. to 4 P.M.****INTRODUCTION**

The wireless world is both ubiquitous and pervasive, as wireless technologies continue to be enhanced at an exponential rate. The inevitable integration of wireless technologies with automated building controls, asset management applications and work order systems will forever change facilities management. The seamless integration of current and developing wireless applications with building applications will allow management and control choices never before envisioned. No longer bound by tethered workstations, engineering will be able to adjust lights and HVAC on the fly, answer alarms from anywhere and institute a true paperless work order system while improving accuracy, inventory control, and manpower scheduling.

THE BENEFITS OF WIRELESS FM

From the introduction of commercial building automation systems to the incorporation and legitimization of specific programming languages such as BACnet and LonTalk, building management technology has grown by leaps and bounds. In the evolution of bringing facility management to the mobile stage, Web interfaces, pagers, handheld devices and laptops have been utilized. Unfortunately, all of these attempts have been met with significant trepidation as these bleeding edge technologies all contained serious flaws. Fortunately, a corner has been turned and we are in the early adopter phase. Facilities management is now being revolutionized by rapidly advancing information and communications technologies such as Wi-Fi, 3G and RFID. It is precisely these technologies that will allow access to any computer or building system from remote locations and present the facility manager, engineer and maintenance worker enormous benefits, including: cost savings, increased productivity, customer service benefits and enhanced communication capability.

IMPLEMENTATION OPTIONS

Mobile access to building automation, asset management or work order systems will enable immediate answers to questions, meter readings and updates at the touch of a finger. At this point, there is no such product as an "out-of-the-box PDA" to perform all of the functions that facilities management requests and requires. However, that does not mean that an off-the-shelf PDA or Tablet PC cannot be customized to the needs of the facility manager or engineer. It is the evolution of today's wireless technologies and devices that enables amalgamation. This session will explore implementation options, including designing and implementing a wireless network. Roadblocks associated with wireless facilities management will be discussed.

IMPACT ON OPERATIONS AND PERSONNEL

Tighter budgets, competition, and a heightened complexity of responsibilities has demanded that FM's continue to validate their business models. This validation is easy to make when one considers that an organization's people are its number one resource and commodity. Incorporating wireless technologies into a facilities management department will not only affect that department - but also will significantly impact the people it serves. This session will help clarify the impact to the manager, department and building as a whole.

FUTURE TRENDS

Monitor temperature, moisture or wind velocity with coin size wireless ZigBee sensors; access the company intranet from an automobile with Mobile-Fi; or develop a wide area hot spot for a campus with WiMax. Amongst the current trends within facilities management is the further integration of technology and building management systems. As this integration becomes more prevalent, the willingness to accept this ever-changing market grows exponentially. From Zigbee and Mobile-Fi to WiMax, wireless technologies are on the cusp of a breakthrough and it is up to the facility manager to embrace the changes associated with these new technologies. It is better to be the facility manager that understands and explains these technologies than the FM who has a vendor, or worse, their boss explain it to them. This session will explore the future trends in wireless technologies and their impact with facilities design and management.

DAY 2**8 A.M. to 12 P.M.****CASE STUDY**

This session will examine Raley Field in Sacramento. The facilities department of Raley Field has been running a wireless system for the past two years. Listen to how they use Wi-Fi, what their network consists of and how they integrate their building systems for use on handhelds.

SAFETY AND SECURITY

Like it or not, many facility managers have inherited responsibility for their organization's security function, and today, security is a serious function. Wireless technology can change the face of your security system forever. Imagine viewing camera shots directly from your handheld or moving the cameras to different locations as needed. We will also explore the use and practical solutions of such technologies as RFID.

**Paul Ziek, PMP**

Paul is a professional project manager for Savant Services Corporation, a New York-based project management and advisory firm. He has led numerous operations, facilities and technology projects with an expertise in the implementation of specialty environments for newspapers, data centers and automated distribution centers. During his tenure at Savant, Paul provided guidance for Financial Communications Company, Thompson Financial, American Academic, Tribune Education, Smith & Hawken and the New York Post. He has published articles in Newspaper and Technology, The Automator and The McMorro Report, and was quoted by both PCWorld.com and Buildings. He spoke on the "impact of wireless technologies on the print industry" at the 2003 Seybold San Francisco Conference and "the impact of wireless technologies on the facilities industry" at the 2004 National Facilities Management and Technology Conference in Baltimore. He also spoke for IFMA Atlanta's March 2004 educational program. Paul is due to give another presentation at BuildingsNY in June. He has been included in Strathmore's 2004-2005 Who's Who. Paul holds a Masters Degree from New York University, a B.A. from Rutgers University and is a certified Project Management Professional. He is a member of the Adjunct Faculty in the Media Studies Department at Brookdale College.

Pratike Patel

Pratike is a results-oriented Technical Project Manager with years of hands-on experience in planning, developing and implementing state-of-the art information technology solutions. He has worked for several systems integration organizations including Union Square Technology Group, Winstar Communications and LAN Systems Technology Group. He has experience installing and upgrading both back-end and front-end systems, including technologies such as Windows NOS/OS, Exchange, Novell/Groupwise and SQL. Pratike has been responsible for redesigning wide area networks, network infrastructure and server consolidation; he has consulted with clients to develop strategic technology plans, technology assessments and disaster recovery business continuity planning. Pratike's client list includes several prestigious organizations such as White & Case, Lowe-McAdams Healthcare, Catholic Charities of Boston and Schering Plough. Prior to his systems integration experience, Pratike was a Capital Project Engineer for Kimberly Clark Corporation where he was part of an engineering team responsible for a sixty- million dollar rebuild of a paper machine. His duties included the management of a two hundred plus engineering consulting staff, construction team, tradesmen and vendor contacts. Pratike holds a B.S. in Mechanical Engineering from Rensselaer Polytechnic Institute and is currently completing his Masters of Business Administration at Northeastern University.