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UPCOMING EVENTS

July 29-31, 2008

Visit Critical RF at the 2008 Americas' Fire & Security Expo

at the Miami Beach Convention Center in Miami, FL

This year John Reardon, CEO, has been chosen to give a presentation concerning Radio over IP and interoperability solutions for first responders.

For further information please visit:

<http://www.americasfireandsecurity.com>

August 3-7, 2008

Visit Critical RF at the 2008 Association of Public Safety Communications Officers ("APCO") Communications Expo

at the Kansas City Convention Center in Kansas City, MO

This year John Reardon, CEO, has been chosen by APCO to give a presentation concerning Radio over IP and interoperability solutions for first responders.

For further information please visit:

<http://www.apco2008.org/>

Visit Our Website

To visit our website click [here](#)

PUTTING THE "i" IN iDEN:

Critical RF Completes Successful iDEN Internet Backhaul

5/14/08 – ESP Wireless, Inc. recently completed the installation of Critical RF's PackeTUBE technology for ESP's iDEN networks in Las Vegas and Chicago. Now, instead of being faced with an \$18K per month T-1 bill, ESP is paying \$50 per month for DSL connections to its sites.

"We really cannot be happier" said ESP founder, Bob Barcal. "Now we can put up iDEN service and compete from anywhere in the world back here in Las Vegas. Without Critical RF's [PackeTUBE] solution, I do not know what we would have done."

ESP is a spectrum and system leasing company that has multiple locations around the United States. Started in Chicago, ESP has been providing dispatch radio services for three decades to thousands of users.

When ESP wanted to provide its dispatch customers with more features, security and roaming, they chose iDEN by Motorola. The iDEN technology is the same platform as that used in the "Nextel" network and provides both duplex cellular telephone and push-to-talk radio. ESP felt that a system like this would be important to meeting customer demand for enhanced wireless services.

But with iDEN's increased capability came its higher operational price tag. With an iDEN switch in Las Vegas, ESP needed to find a way to get the signaling that the switch produced to the cell towers located all around Las Vegas and Chicago. A single T-1 from the Las Vegas switch to the cell site on top of Sears Tower alone was going to cost \$18,000 per month – and that was for just one site!

ESP knew they had to find a better way if they ever wanted to realize the company's goal of providing cost effective dispatch service that could win customers from the cellular carriers. Bob Barcal heard about Critical RF's capability for building wide area wireless communications systems using the Internet as the backbone.

"I knew our solution would work well," said Critical RF's Steve Calabrese. "The iDEN system, with its entire luster, is still traditionally limited to T-1 spans for backhaul. That means huge amounts of extra cost per mile of connectivity. We change that paradigm with our distance-independent PackeTUBE product." Calabrese wanted to be part of this special project and sent Bob Barcal some evaluation units.

"Really after about 10 minutes after setting up my session, I had the first call working at the switch." Barcal says. The first call from Bob Barcal's iDEN handset was made that same day to Critical RF's Tim Smith in Indiana. "Do you hear me, how do I sound?" Barcal asked with great enthusiasm. "Bob"

Contact Us

Questions or comments? E-mail us at Criticalrf.com or call 800-451-5658

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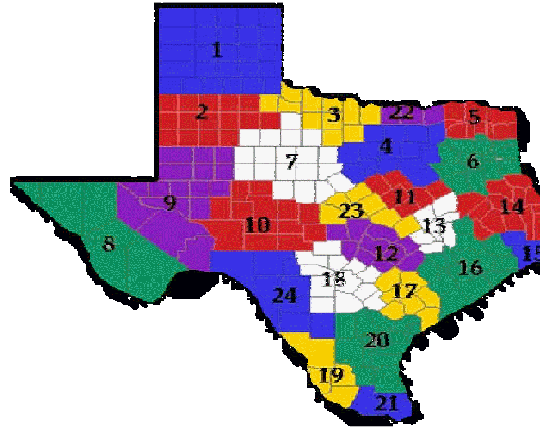
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hear you just the same as when you ran it through the T-1!" Tim replied.

On June 12th ESP will begin offering its iDEN service in the greater Chicago market.

"If you have a system that has expensive T-1s or unreliable microwave links, try the PacketTUBE solution. It is great for redundancy, also!" advises Steve Calabrese.

IT'S ALL BIG IN TEXAS!



Critical RF Connects 10 Counties

They say everything is big in Texas. It has turned out to be true for Critical RF along the Northeast border of the Lone Star State, where our solutions connect ten counties along the Texas and Arkansas border.

The ATCOG is one of 24 regional councils in Texas. These councils are members of the Texas Association of Regional Councils. ATCOG serves Region 5. Region 5 is made up of the following counties, covering over 10,000 square miles: Bowie, Cass, Delta, Franklin, Hopkins, Lamar, Morris, Reynolds, and Titus Counties in Texas and Miller County in Arkansas.

Using our SiteCAST solution, the ten member counties of the Arkansas-Texas Council of Governments recently achieved interoperability among dozens of radio systems, covering thousands of radios. In April, this unified communications solution allowed the counties to hold a successful joint exercise for pandemic flu response. Participating in the exercise were many agencies and health officials, including Memorial Hospital, police from several jurisdictions, EMS, fire and related first response and health department officials.

"The ATCOG system comprises 15 SiteCAST links, 25 Virtual Base Station PC soft radios and ten iWalkie PDA soft radios," explained John Reardon, CEO of Critical RF, Inc. "Twelve of the 15 SiteCAST links are interfaced to ACU-1000 cross-band repeaters previously purchased by the participating counties. In those three counties, the ACU-1000s have been nearly abandoned."

for complexity reasons and replaced with single channel SiteCAST units

Speaking of big: a total of 99 radio system channels are simultaneously connected using Critical RF's technology and running through the ATCC server. The configuration is such that systems can be grouped and patched instantly in any arrangement desired using conference rooms.

Connecting 99 radio system channels, 25 PCs and 10 PDAs together: not big is Texas big!

MEET THE TEAM

The Computer Museum of Steve Calabrese

Steve Calabrese, the founder of Critical RF, Inc., enjoys collecting vintage computers. Many are several decades older than he is, in fact.





His two favorite computers in his collection are an Apple II “Bell & Howell” edition, and a 20th Anniversary Macintosh. Steve notes, “The reason I like the Bell and Howell Apple IIe is that it stands for much of the struggle that other personal computer makers went through to gain market acceptance. Now everyone uses them everyday in their lives and it’s hard to imagine going without them.”

“This same concept of acceptance can be applied to our own company and what we experienced early on in this growing industry when using Radio Shack IP to unify communications platforms like computers, two way radios and PDAs” remarks Steve.

“We want to do the same thing for the way people communicate wirelessly and make it available across platforms for everybody.” Steve adds.

The 20th Anniversary Mac is also important to Steve because it represents the ultimate in convergence. Steve is currently saving up to add a 1936 Turbomaster machine to his collection.

When not on the road delivering on his vision, Steve lives in downtown Louisville, Kentucky. He also enjoys tennis, mountain biking, and skiing.