

Three police officers in Oakland, CA were killed by one criminal in the course of a routine traffic stop.

<http://edition.cnn.com/2009/CRIME/03/21/california.officers/index.html>

The story is all too familiar. There will be more like this.

Add in the killings in schools, from Columbine and Virginia Tech to most recently in Germany. Add in the shopping malls, churches, day cares, hospitals, and other sites.

Police are particularly at risk as a group (class) but you know that we are all at risk.

There is no single magical solution. There are tools, sensible ones, better than the crap coming out of “studies” and “research” and “special projects” that eat up millions of dollars and feed only a few, producing nothing that is really practical, easy to use, and that could be an effective deterrent.

We, a very small but hard-working group and company, have been trying to get such a practical, economical, easy-to-learn, easy-to-use, set of tools into the hands of police, into their squad cars, into schools and other places. Since around 2005. We have had an almost universally positive response, interest, and verbal support, desires to “try and buy”, from police and other law enforcement people around the world. Also from people who have actually served in the military, and people who have served, worked, and taken risks, and sometimes bullets, during their work in the field.

But we just keep getting resistance, deaf ears, and rejection from so-called venture capitalists, investors, private equity people, and politicians.

We believe This Needs To Change. Solutions like ours are practical, are affordable, and are Damn Good Investments to Make Today or Any Day.

We want your help to get the word out, to express your support, to generate some attention and publicity, to make positive noise, and to help us all to benefit.

I hate reading about anybody dying before their time, especially in violence at the hand of some criminal. This is not necessary. Many of these deaths could be avoided. I cannot guarantee that our solutions would have prevented any single death but I can argue and demonstrate beyond the shadow of any realistic doubt that most of the deaths by sudden and surprise attacks with guns could have been at least partly diminished, reduced, and every life saved is a life worth saving that should have been saved. I put the responsibility partly at the doorstep and at the feet of people who have had the means to easily, handily, bring these solutions to the public, to the police, to the market, but they have refused because of their greed, arrogance, conceit and stupidity.

The following pages are some small bits of technical information on part of the solution. There is more info at <http://tetradyn.com> and in some of the brochures and white papers available on that website or by request from us.

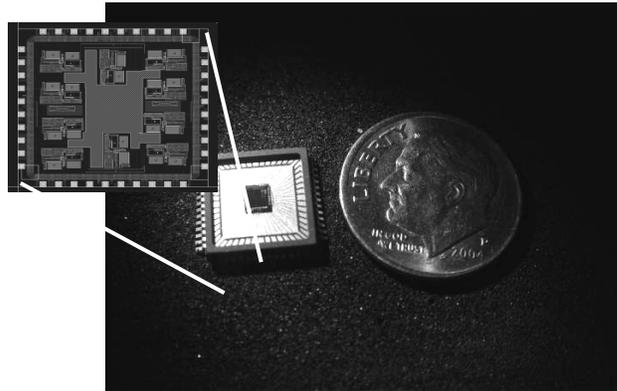
Sincerely,
Dr. Martin Joseph Dudziak

The following was written in October, 2006

Along with other facts, presentations, papers, documents, this has been very well received by every law enforcement person, every military person, every intel-community person who has known about these solutions.

It has been ignored and pooh-poohed by some wealthy venture capitals, by a few university presidents (Virginia Tech in particular), and by a variety of politicians, and some people in large corporations that seem to not want to see cheap, economical, simple, easy solutions like ours to be put into the hands of police, soldiers, and other civil servants working and risking their lives to protect the people.

Here is one picture of something that can save the lives of 7 yr. old girls and 20 yr. veteran police officers. Have we got your attention? OK.



Now the two charts below are from some very well-respected and uncontested lab test results. What these show is that in matters of seconds, our detection technology can detect certain kinds of explosives. Timing is critical at every point in the prevention and interdiction cycle. A matter of seconds can be a matter of dozens or hundreds of lives. Even in beta-stage a good deterrent saves lives just by being a good deterrent. Ours also really works.

But there is also the Cost.

Although the data shown here pertains only to certain types of chemical explosives detection, the component “core technology” we offer (hardware plus software analytics), the threat modelling and simulation, the expertise in terrorist and natural threat planning including IED constructive design modelling, all adds up to being something that is not within the typical corporate or university team.

But there is also the Cost.

Sensors and actuators that can fit onto virtually any surface, require virtually no brains to set up or operate, can adapt (through reconfig/recalib) for different variants, can be scattered like maple seeds from a helicopter, put on a small UAV, or a slinky robot, or a 50# sack of flour...

But there is also the Cost.

Unlike some vendors' bulky and expensive attempted solutions to the IED or Biothreat problem, we have taken a very different approach. One result is that the cost of the explosives sensor we have been developing may be such to allow the concept of "throw-away" to be considered, and certainly "consumer-grade." Try under \$10.

And then there is the matter of intelligence.

Imagine that you could detect and track IED development and progress inside Sadr City or in suburban Arlington or downtown Boston. Imagine the value of having the right team on your Team Today. Imagine just passing it off as being too wild, too out of the expected, and not coming from the right part of an acceptable Fortune 500 company or visible academic department with a lot of visible papers. Lives might be lost.

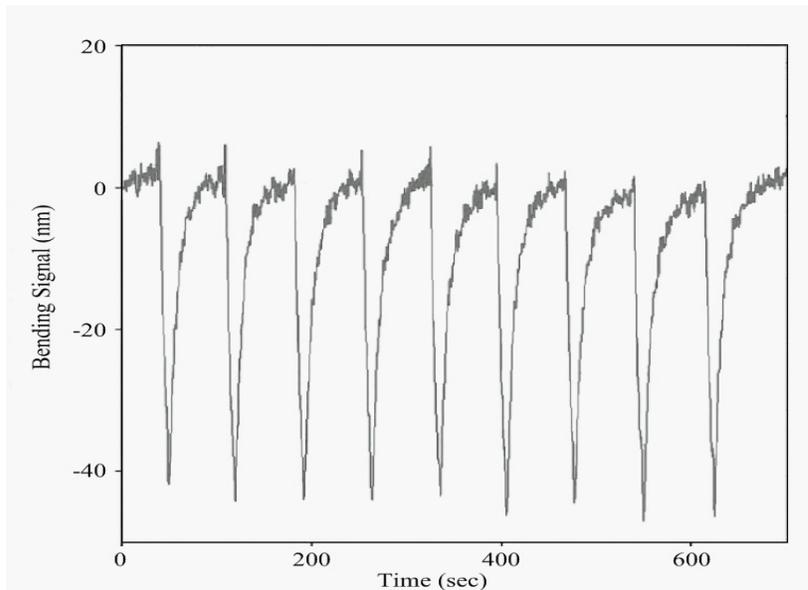
As of Oct. 31, 2006, some 2842 Americans have died and over 21,000 have been wounded, most seriously, in Iraq, and more due to IEDs than to any other form of attack.

Estimates for TB worldwide range from 500M to over 2B people.

The probability that you will get MRSA or another "superbug" if you are admitted to a U.S. hospital is over 45%.

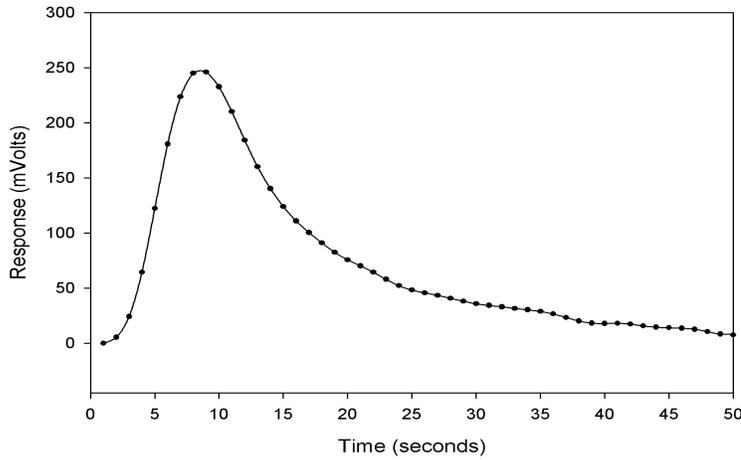
And we are offering to adapt our expertise, technology, products, and magic into your current ongoing contracts and/or your corporate IR&D and business development.

Thank you for your attention to our mildly disruptive technology.



Temporal response of a PRMC device to periodic exposure to PETN vapor

PETN is in many C4-type plastic explosives. Most detectors have false positives and also miss completely because these explosives do not release as many tracer molecules as for instance TNT.



Response of a PRMC device due to exposure to RDX

RDX is another explosive that has been and can be used by terrorists or wanna-bes. Note the detection in less than 10 seconds.

Timing is everything.

Figures 1 – 4 below illustrate samples of the devices that we can use with our sensors for easy-to-use systems to be used by police, fire, hazmat, and even in schools and other public institutions. Costs are at an order of magnitude LESS than those from certain other companies.



Fig. 1 – Multi-sensor All-Terrain Rover



Fig. 2 – All-Terrain Multi-Sensor Snake Robot



Fig. 3 – Sensor Carrier UAVs



Fig. 4 – Tracking and Correlation Software

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