Solutions.

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Are We Good; Or Just Lucky?

- 1. Couldn't radioactive material be added to a car bomb? YES
- 2. Is our "intelligence" so good that we can prevent the event before it happens? IF WE ARE LUCKY
- 3. Do we have such good control of sealed sources that it is too difficult for terrorists to deploy undetected? WE NEVER WILL
- 4. Do terrorists think that we have so many portals and remote sensors scattered around the country that it would be implausible to move undetected? IN OUR DREAMS
- 5. Is an RDD an effective or dramatic enough terrorist tool? YES
- 6. Is it hard for terrorists to assemble the resources to deploy a "dirty bomb" successfully? THE SAME AS FOR ANYONE ELSE

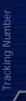
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Fears and Realities

•"We have nothing to fear but fear itself" - FDR

•We are being driven by unreasonable fears and we are oblivious to the real costs.





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"HYPE TERRORISM"

- Security Spending (emotional and money) is being driven by unverified Worse Case Scenario (WCS) Standards
- The WCS is being used to fuel public fears
- Flawed WCS Criteria Security Measures will have devastating economic impacts for the nation





The Challenge

- To validate/debunk the myth that offthe-shelf WCS can harm millions of people?
- To adequately understand the variables that make these scenarios myth or probable realities?







CONSEQUENCE BASED PLANNIG

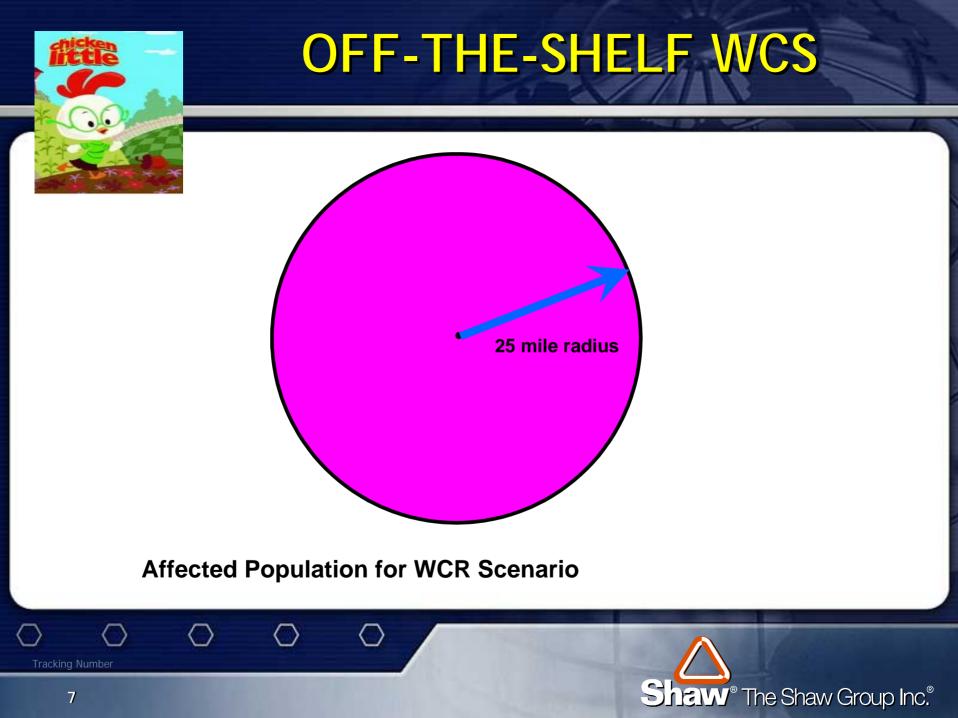
Thinking about SUICIDE BOMBING? Get it right the FIRST time! Learn how to tell an infidel from a mujahadeen with Jihad DUMMIES learn how The fundamentals of Fundamentalisim to declare your very own fatwa! By O. bin Laden and Mullah Mohammad Omar Introduction by Yusuf Islam (formerly known as Cat Stevens)

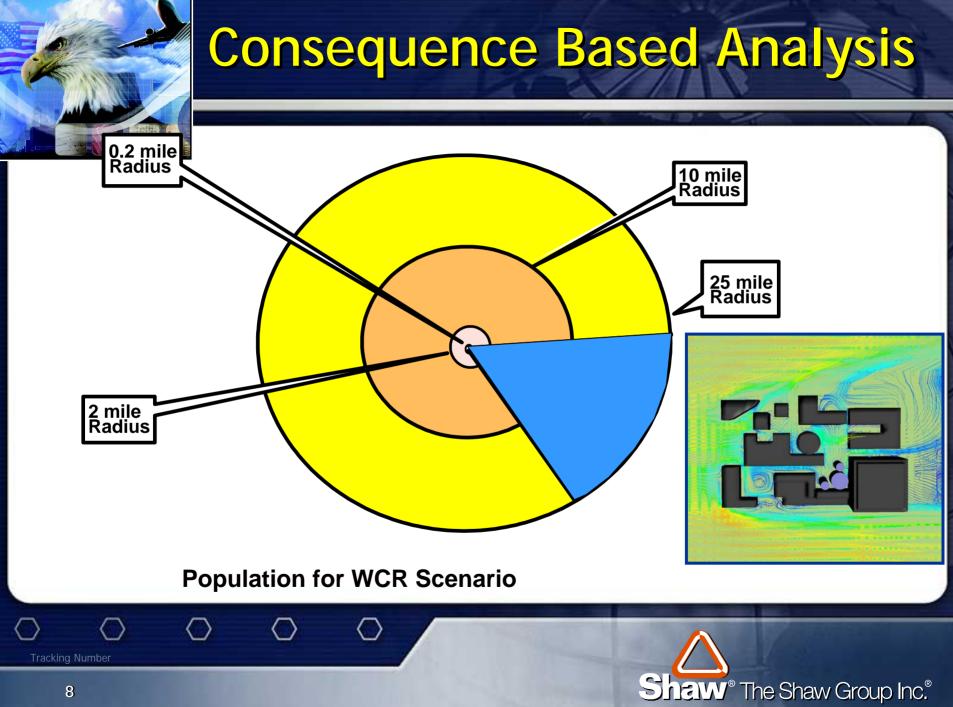
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Assessing Value/Vulnerabilities

- Attacks are based on the motivations, capabilities and opportunities of terrorists to carry out specific threats.
- These are not random variables, although opportunity has a random component.
- Thus consequence analysis and decision theory based on random variables are essential in establishing an analytic framework of target value or vulnerability.



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Advanced Risk/Value Analysis

Assets

Employees Facilities Equipment Computing & communications Reputation Iconic Value Confidential & proprietary data Events

- Accident
 - Crime
- Natural disaster
 - Pandemic
 - Sabotage
 - Terrorism
 - Workplace
 violence

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Consequences

• Death

- Injury
- **Economic Loss**
- Psychological
- Supply chain disruption
 - Pollution



Probabilistic Risk/Value Assessment

Consequences must be quantified (casualties, economy, production, other losses) to estimate impact ranking, AGAINST A STANDARD (ROI)

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Value Classification Structure



Value/Vulnerability Analysis

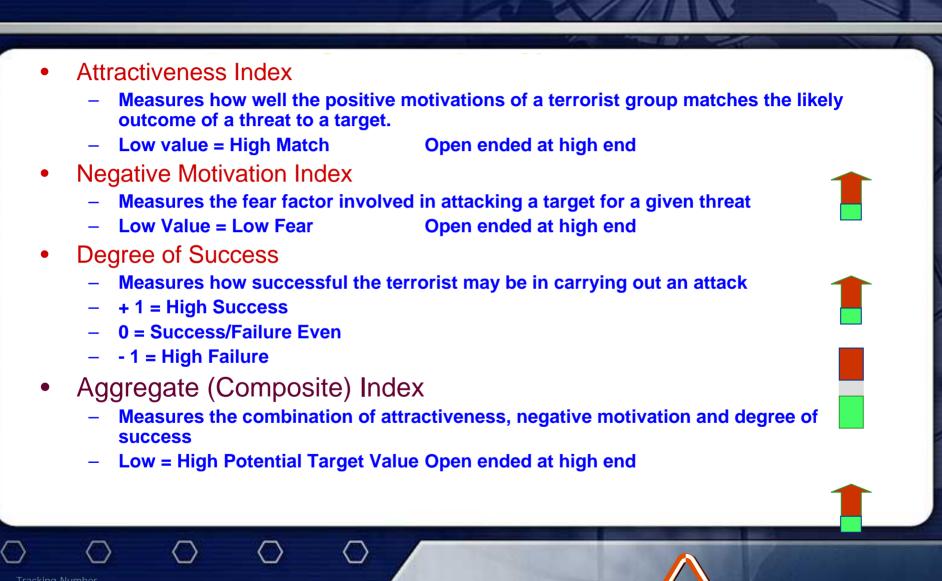
Evaluate all Positive Motivational Profiles Against All Asset Profiles and Score Each

Match the Resource and Opportunity Profiles as Scoring Filters

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Order the Threat/Asset Scores by Value





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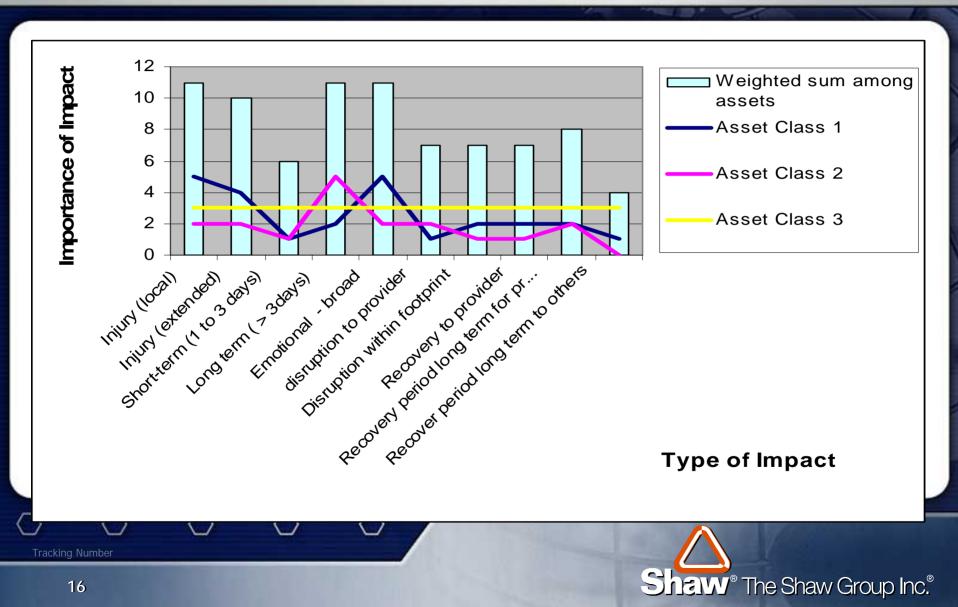
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Relative Risk Graph

Relative Reduction In Risk As A Funtion Of Cost



What can be Real?





Risk Conclusion

We are lucky

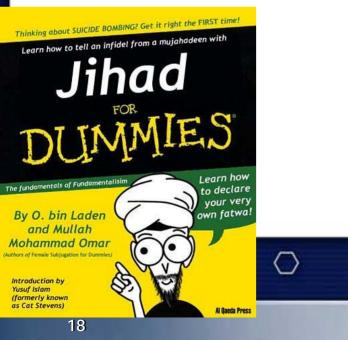




Value Conclusion

ROI not worth the effort

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Fear Driven Conclusion

The misuse of resources on phantom fears makes us even more vulnerable.



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YOU CAN'T PROTECT AGAINST EVERYTHING

