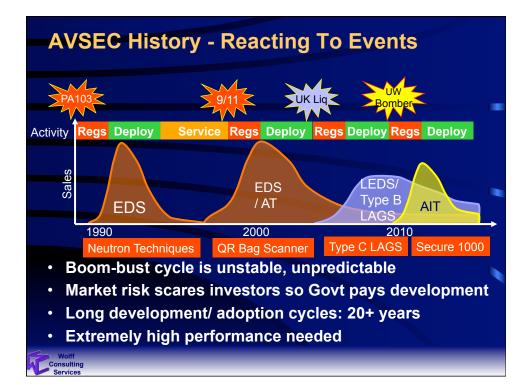
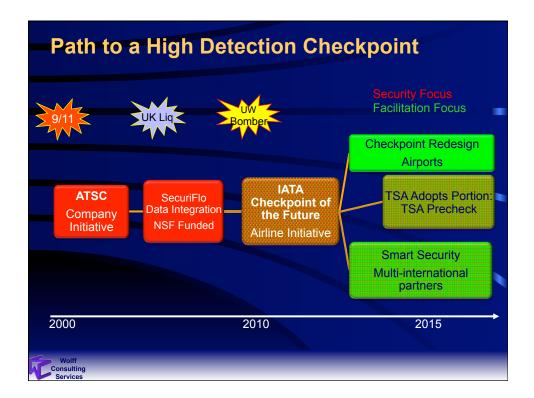
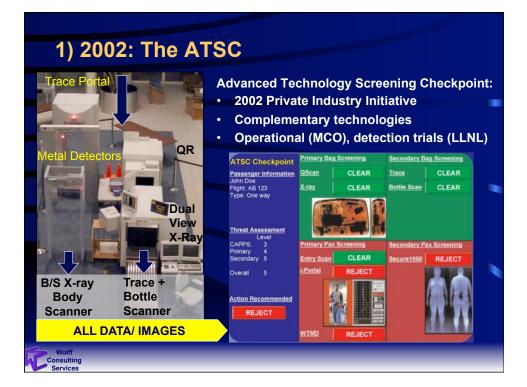


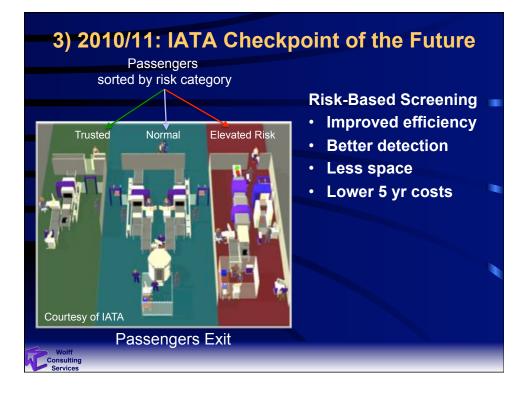
Wolff Consult	ing Services
CTX 5000 QScan	<ul> <li>Consultancy services</li> <li>Strategic marketing, business planning</li> <li>Industry introductions/ connections</li> <li>Product development / testing</li> <li>Simulation, modeling and optimization</li> <li>Marketing communications development</li> </ul>
I Contraction of the second se	<ul> <li>Background</li> <li>InVision Technologies Startup team</li> <li>30 years security systems development</li> <li>Team lead: IATA Checkpoint of the Future</li> <li>Aviation Security Int'l – Editorial board</li> <li>AIASP cofounder</li> </ul>
Wolff Consulting Services	

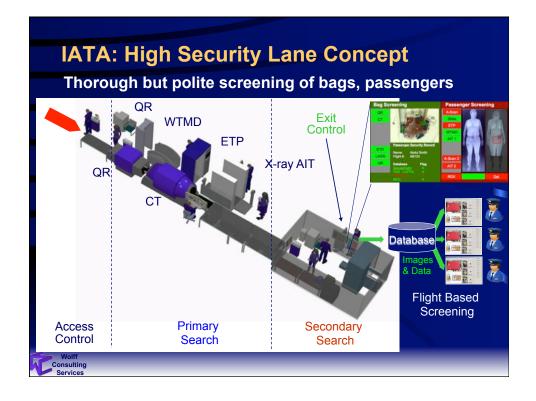












2011 Technology Performance Estimates				
Lane	Bags	Passengers	2003 ATSC (Actual)	
High Security	85%	77%	78%	
Normal	59%	40%		
2011 US lane	39%	30%		
2011 Eu lane	31%	17%	35%	

• New	<i>i</i> technology ava	ailable today =	better detection
	ATSC Post 9-11	2010	2015+
Primary Search	B: QScan 2000S B: Rapiscan 520DV P: EntryScan 3 P: i-Portal-100 P: CEIA WTMD P: Secure 1000	B: QR+ AT + B: QR + CT P: Gen 2 ETP P: Active mmW P: B/S X-ray P: Zonal WTMD P: Shoe Scanner	B: LAG (type C, D+) B: XRD, CT P: QR Portal P: Active mmWave P: Limited TR+B/S X-ray P: Zonal WTMD
Secondary Search	B: LiquiScan B: BCT 2000 B: EDT	B: LAG (Type B) B: EDT P: Active mmW P: B/S X-ray P: Full TR X-ray B: Neutron (TNA) P: QR Wand <sup>1</sup>	B: LAG (Type B) B: EDT P: Full TR X-ray B: Neutron (TNA, FNA) P: QR Wand <sup>1</sup>

## **Checkpoint of the Future Knock-on effects**



Congress, Administration briefings
IATA, ICAO, TSA, ACI embrace RBS
TSA adopts PreCheck
2 IATA reports
Design method applied to 2 airports

IATA + ACI cooperation / trials



## But....

No High Security Lane
Vulnerabilities remain



## 4. Where Might This Be Heading?

- IATA etc. vision: "invisible", non-invasive security
- Long-term vision: technology needed!









