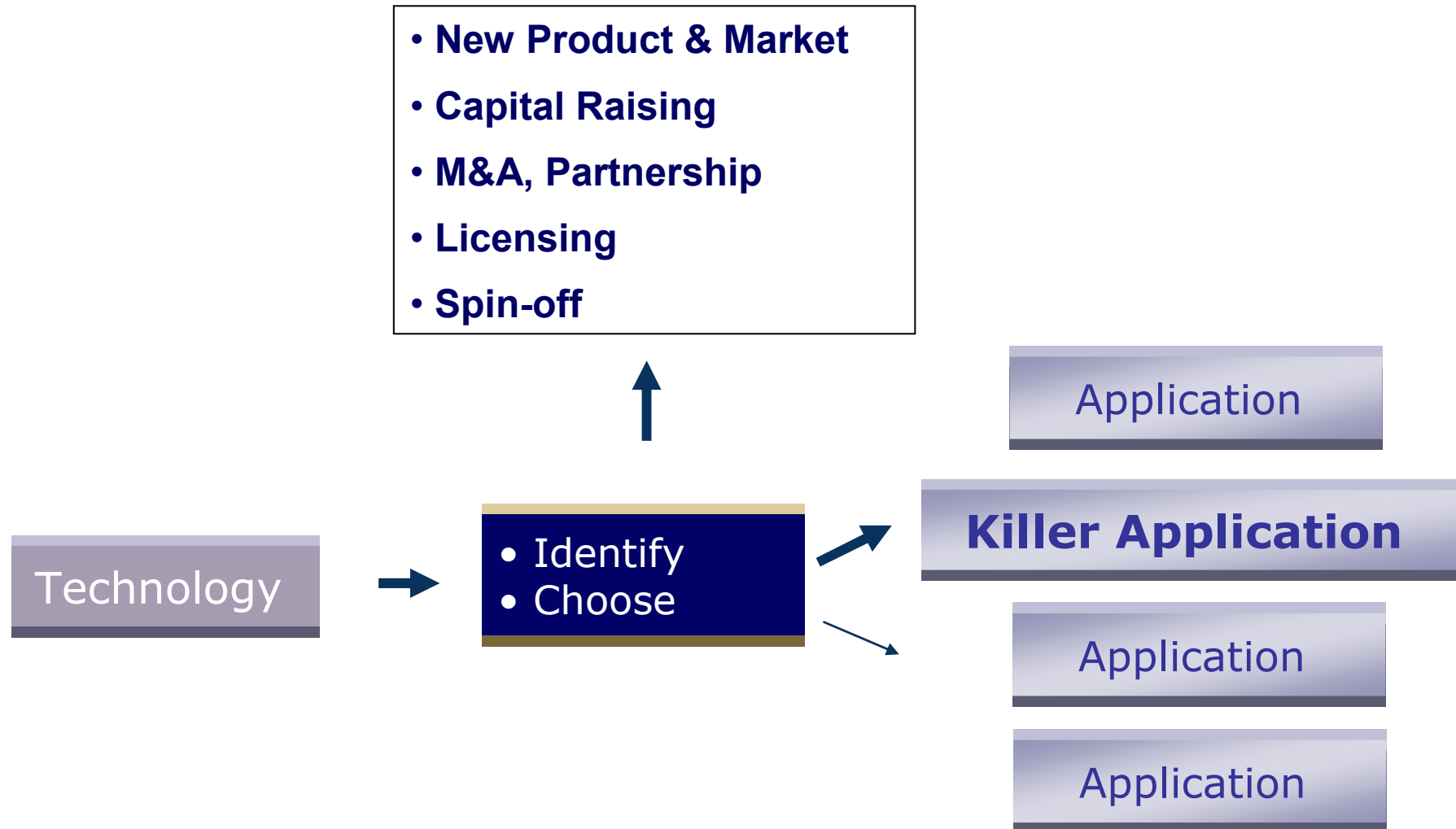
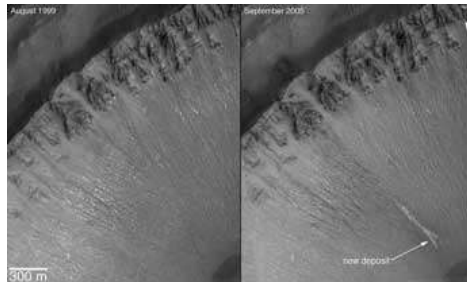


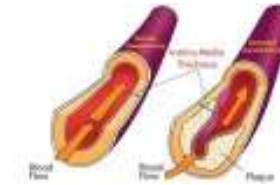
# Trends in Needs of Global Industries/Markets (Applications) = Growth Opportunities for Israeli Companies



## Medical Applications (Spin-offs)



**Digital Image Processing**

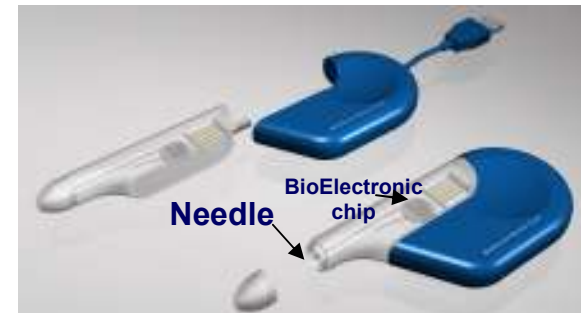


**Enhancement of CT,  
CATScan and MRI; Predict  
cardiovascular events**



**(Spin- off)**

**Biosensor Chip**



**Fast blood diagnostics at the clinic**

## Nanotechnology - Applications



Bayer

**Carbon Nano-Tubes**  
(Strong, retain form, flame,  
water & scratch resistant )



**LCD, airplanes,  
fuel cells, apparel**



MAX-PLANCK-GESELLSCHAFT

**Response to pH value  
& electromechanical  
potential**



**Self-healing, anti-  
corrosion coating**



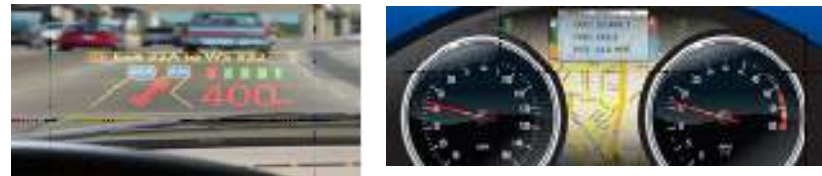
Blue laser



**Miniature Optical Disk Format** for distribution and consumption of video on mobile devices



Miniature laser projection display engine



**Displays** for increased driver safety and improved design flexibility



Electrophoretic display technology



**Electronic ink** replicates a paper-like appearance along with an inherently thin form factor, for flexible displays

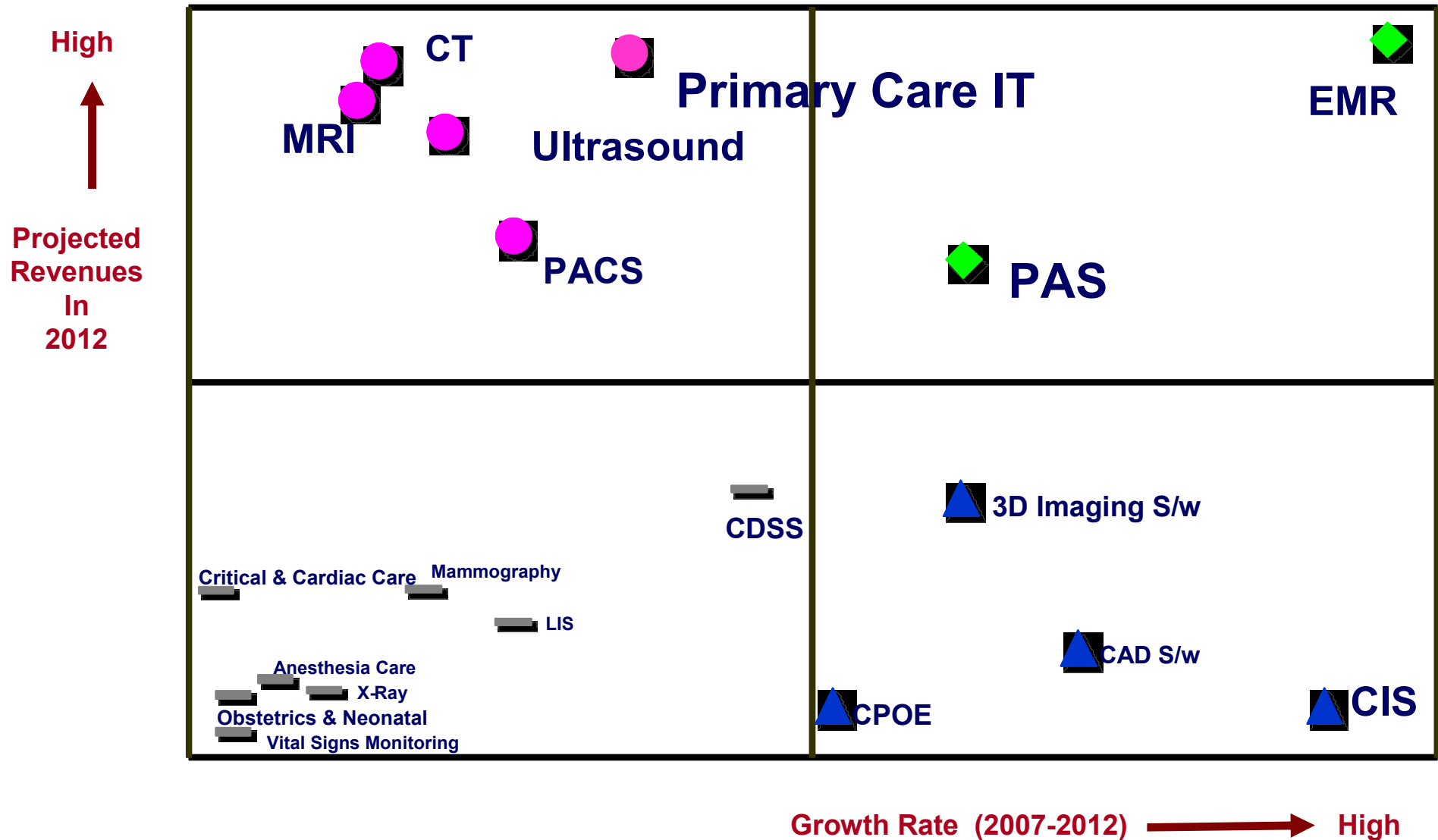


# Global Market & Technology Trends

(Popular Searches at Frost.com in 2008)

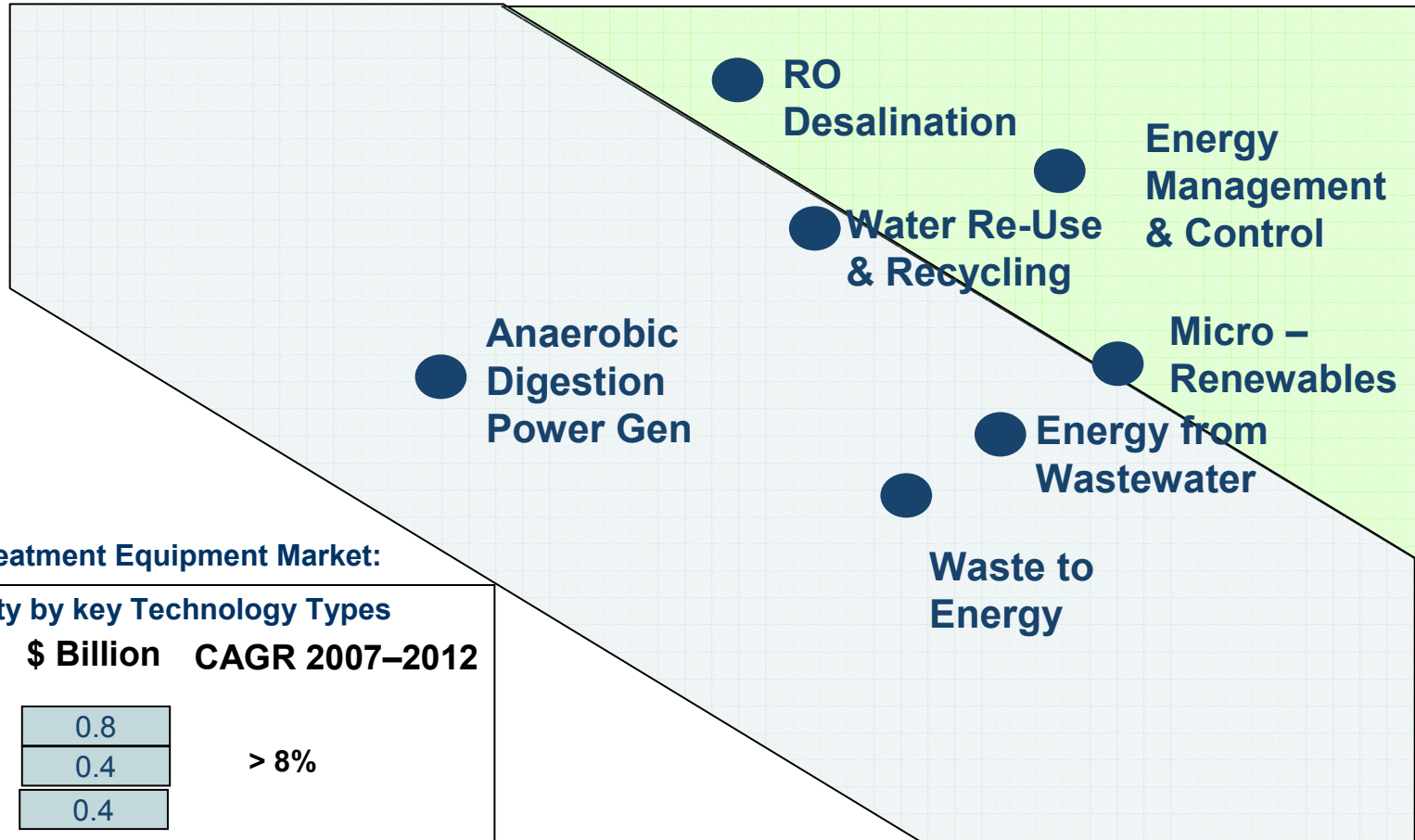
access control adhesives aerospace automation  
**automotive** batteries battery bed pans biodiesel  
biofuel biofuels biomass biometrics biotechnology **brazil**  
broadband c4isr **cancer** cardiovascular **china** coatings  
**construction** contact center cro dental **diabetes**  
diagnostic **diagnostics** dialysis drug delivery endoscopy  
energy **facilities management** food fuel cell gps  
**healthcare** healthcare it homeland security hvac  
imaging **india** iptv **led lighting** logistics **medical**  
**device medical devices**  
medical imaging mems **mining** mobile  
molecular diagnostics mri mro nanotechnology  
obesity oil **oil and gas** oncology orthopedic **outsourcing**  
packaging pacs patient monitoring  
pharmaceutical photovoltaic renewable energy **retail**  
**rfid** **russia** satellite security semiconductor sensor  
**sensors** smart card smart cards software **solar** steel  
telematics telemedicine uav ultrasound unified  
communications **ups** video surveillance voip waste waste  
management wastewater **water** water treatment  
wimax wind wind energy wireless wound wound

# Healthcare: Snapshot of Potential Opportunities (Europe)



# Environment Technologies: Market Impact of Top Growth Trends

High Impact



Global W&WW Treatment Equipment Market:

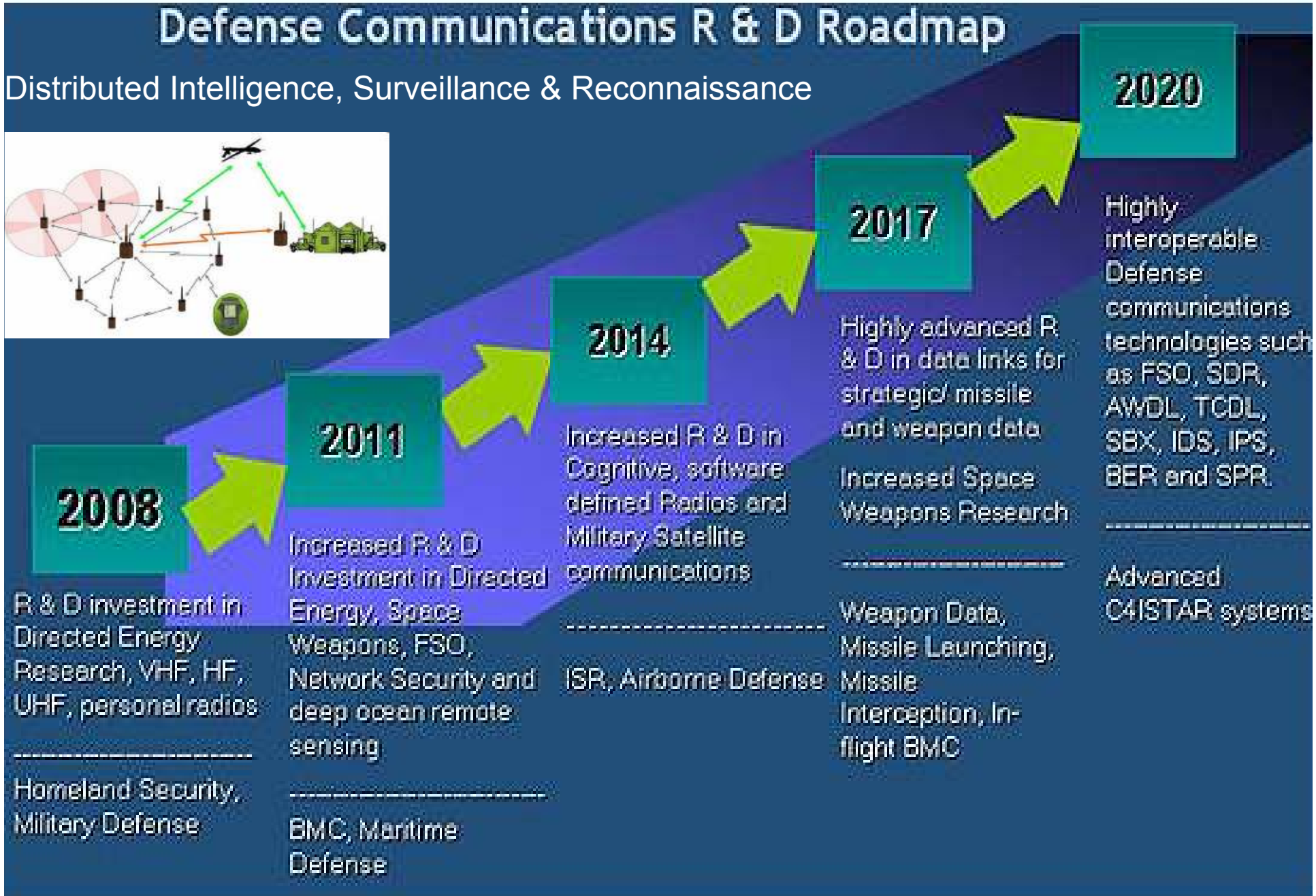
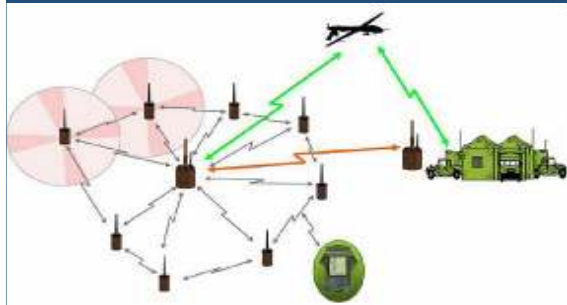
Market Opportunity by key Technology Types		
	\$ Billion	CAGR 2007–2012
UF	0.8	> 8%
UV	0.4	
Sludge Drying	0.4	
Chlorination	1.4	5-8%
RO	1.1	
MF	0.6	



High Certainty

# Defense Communications R & D Roadmap

## Distributed Intelligence, Surveillance & Reconnaissance



R & D investment in Directed Energy Research, VHF, HF, UHF, personal radios

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Homeland Security, Military Defense

Increased R & D Investment in Directed Energy, Space Weapons, FSO, Network Security and deep ocean remote sensing

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BMC, Maritime Defense

ISR, Airborne Defense

Highly advanced R & D in data links for strategic/ missile and weapon data

Increased Space Weapons Research

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Weapon Data, Missile Launching, Missile Interception, In-flight BMC

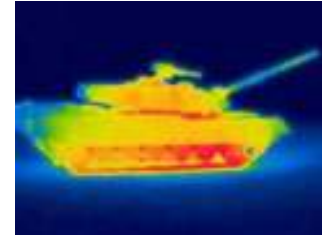
Highly interoperable Defense communications technologies such as FSO, SDR, AWDL, TCDL, SBX, IDS, IPS, BER and SPR.

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Advanced C4ISTAR systems

## Technologies That Will Impact Global Industries

- Active & Passive Sensing
- Advanced Software
- Autonomous Systems
- Bioinformatics
- Biometrics
- Chem/Bio Defense & Response
- Decision Support Systems
- Directed Energy
- Distributed ISR & Attack
- Energy & Power
- Info. Assurance & Operations
- Nanotechnology
- Predictive & Responsive Logistics
- Signatures Management & Detection



## Conclusions: Exploiting Opportunities

### Identify & Choose Killer Applications

Means/ contributors:

- Investment community, public sector (OCS)
- Cross-industries capabilities
- Forums
- Conferences
- Media
- All of us

## For More Information Please Contact:

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