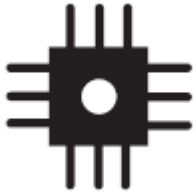


Asset Management: Smarter. Managed. Predicted.



Smarter Asset Management



INSTRUMENTED

We now have the ability to measure, sense and see the exact condition of practically everything in near real-time.

INTERCONNECTED

People, buildings, vehicles, etc. are now interacting in entirely new ways.

INTELLIGENT

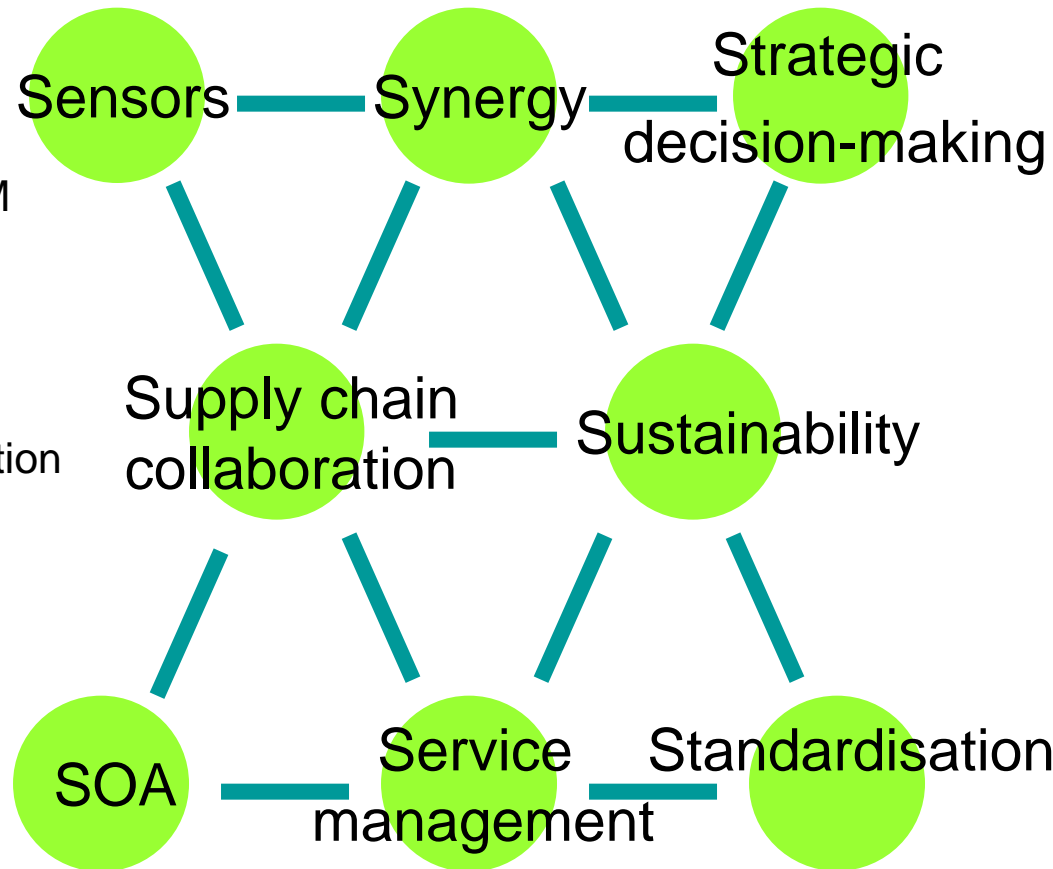
All this information can be used to make optimal decisions that are based on historical trends and predicted events.

SMARTER

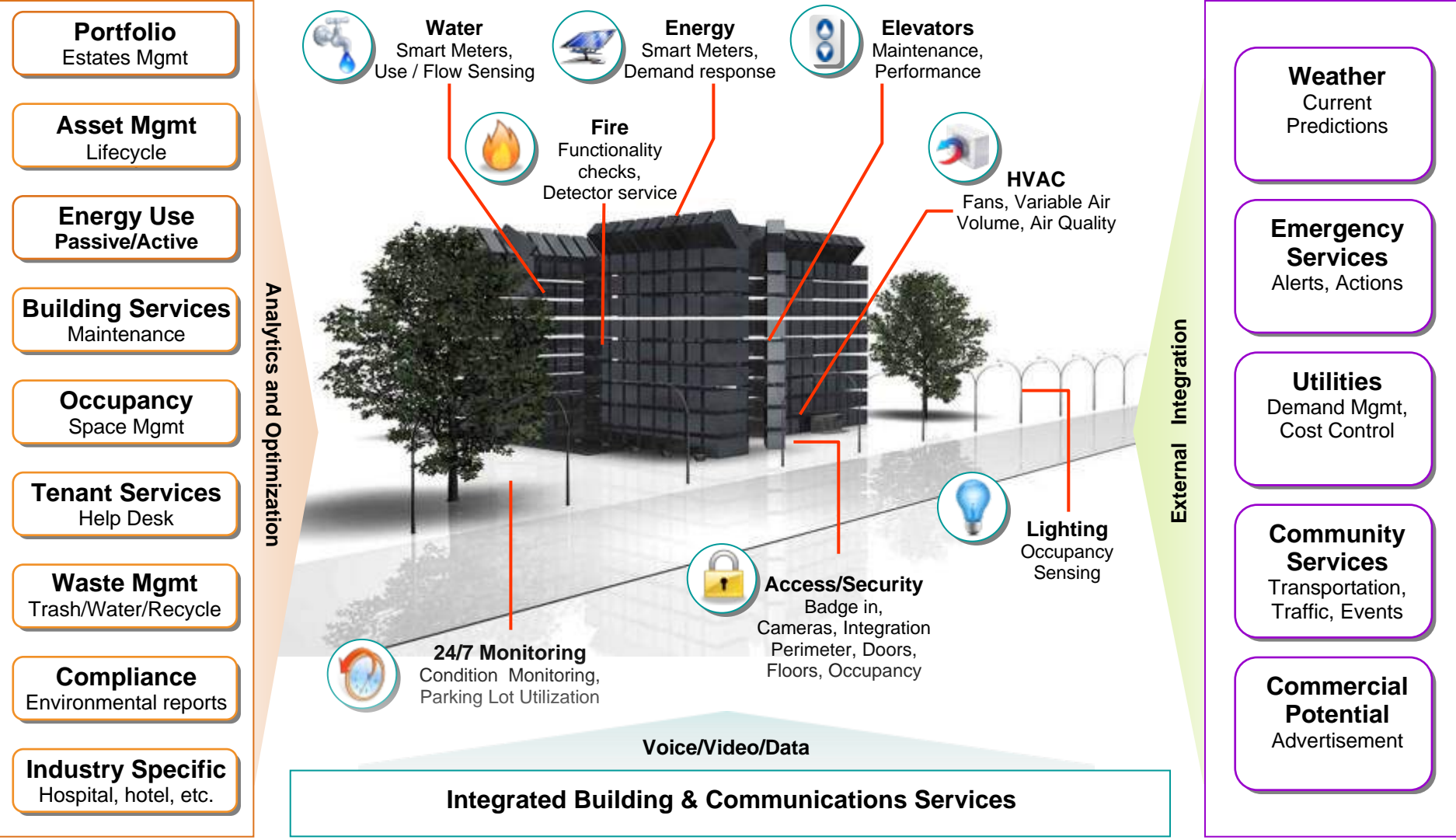
We can gather, synthesize and apply this information to achieve financial, environmental and operational benefits.

The Eightfold Path for a Smarter Planet

- **Sensors** – Intelligent assets
- **Synergy** – integration of PLM with ALM
- **Strategic decision-making** - Analytics
- **Sustainability** – green AM
- **Standardisation** - Process & consolidation
- **Supply chain collaboration**
- **Service management** - performance contracting
- **SOA** – Integration

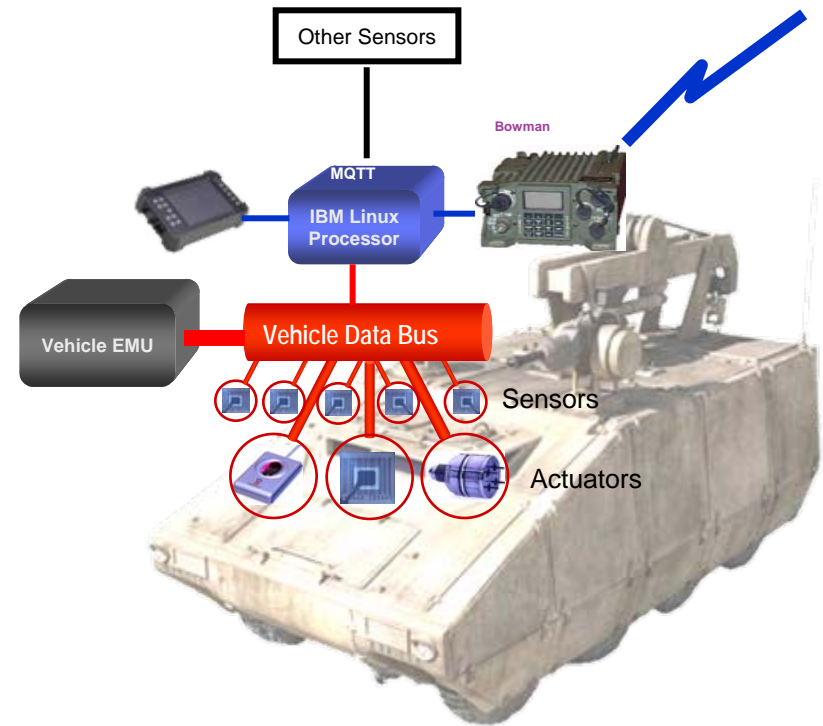
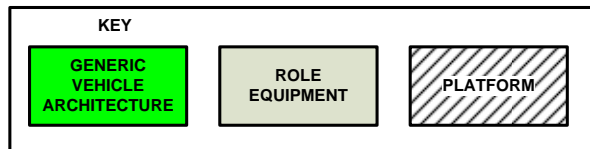
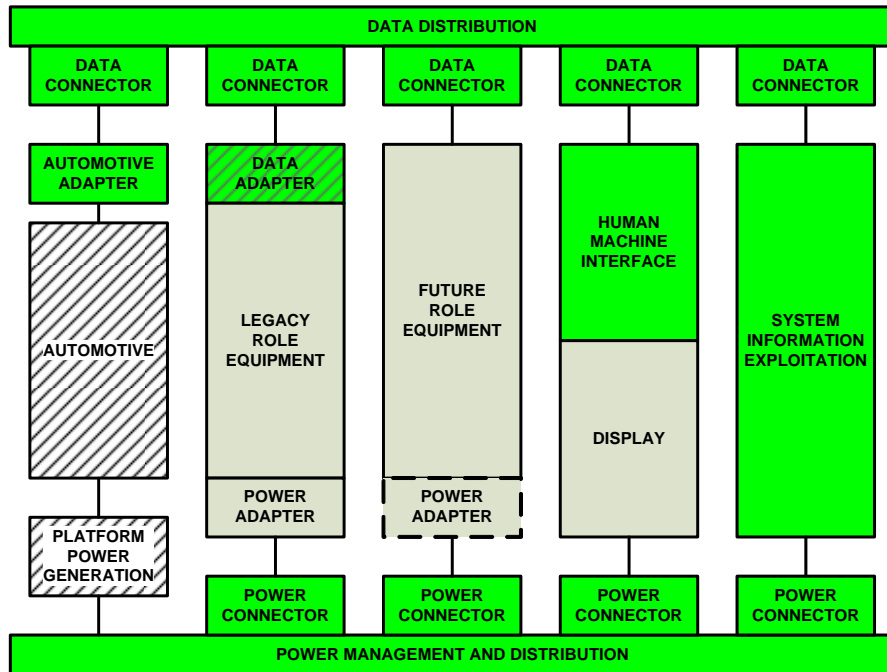


How does a building become smart?



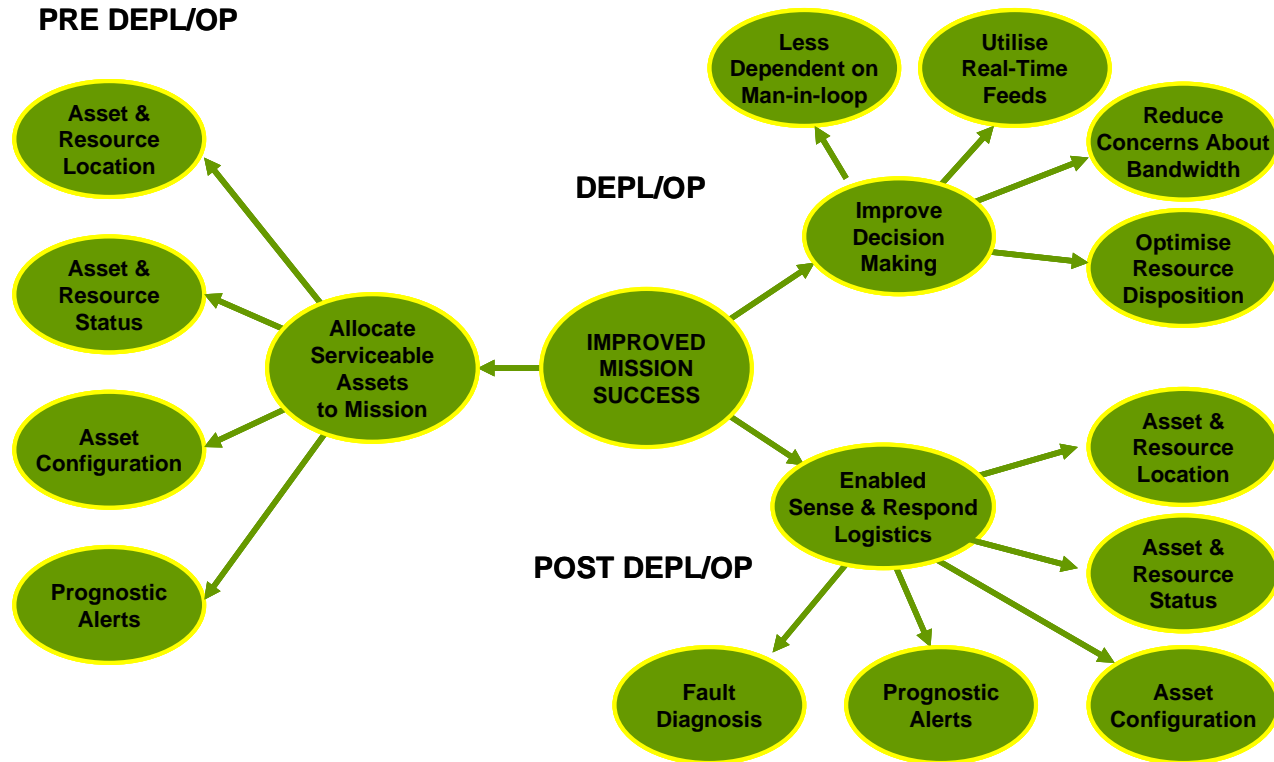
Integrating legacy and future systems

GPSA schematic

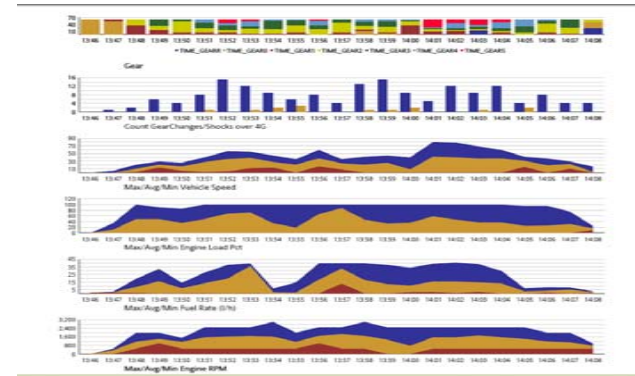
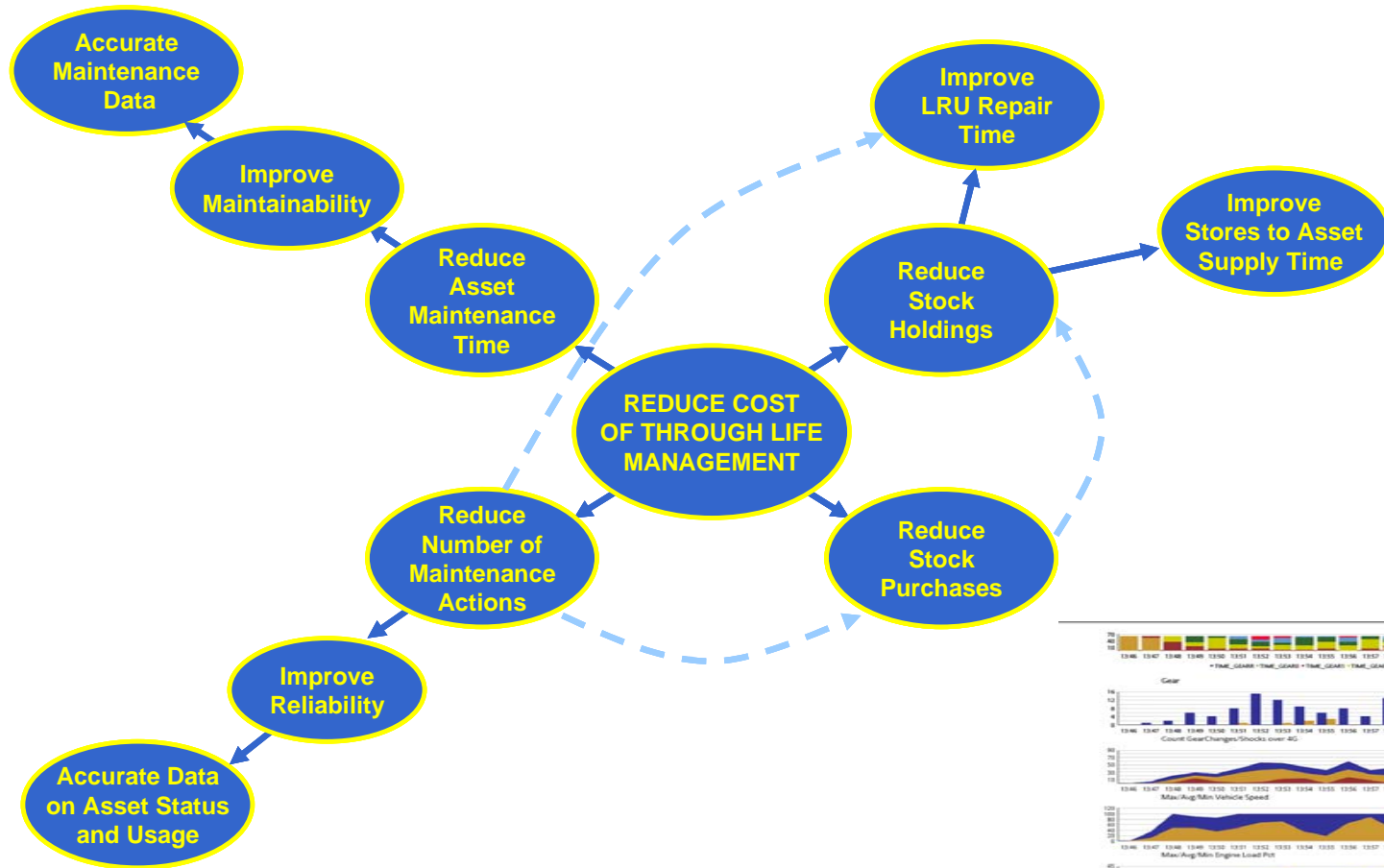


GPSA on a vehicle

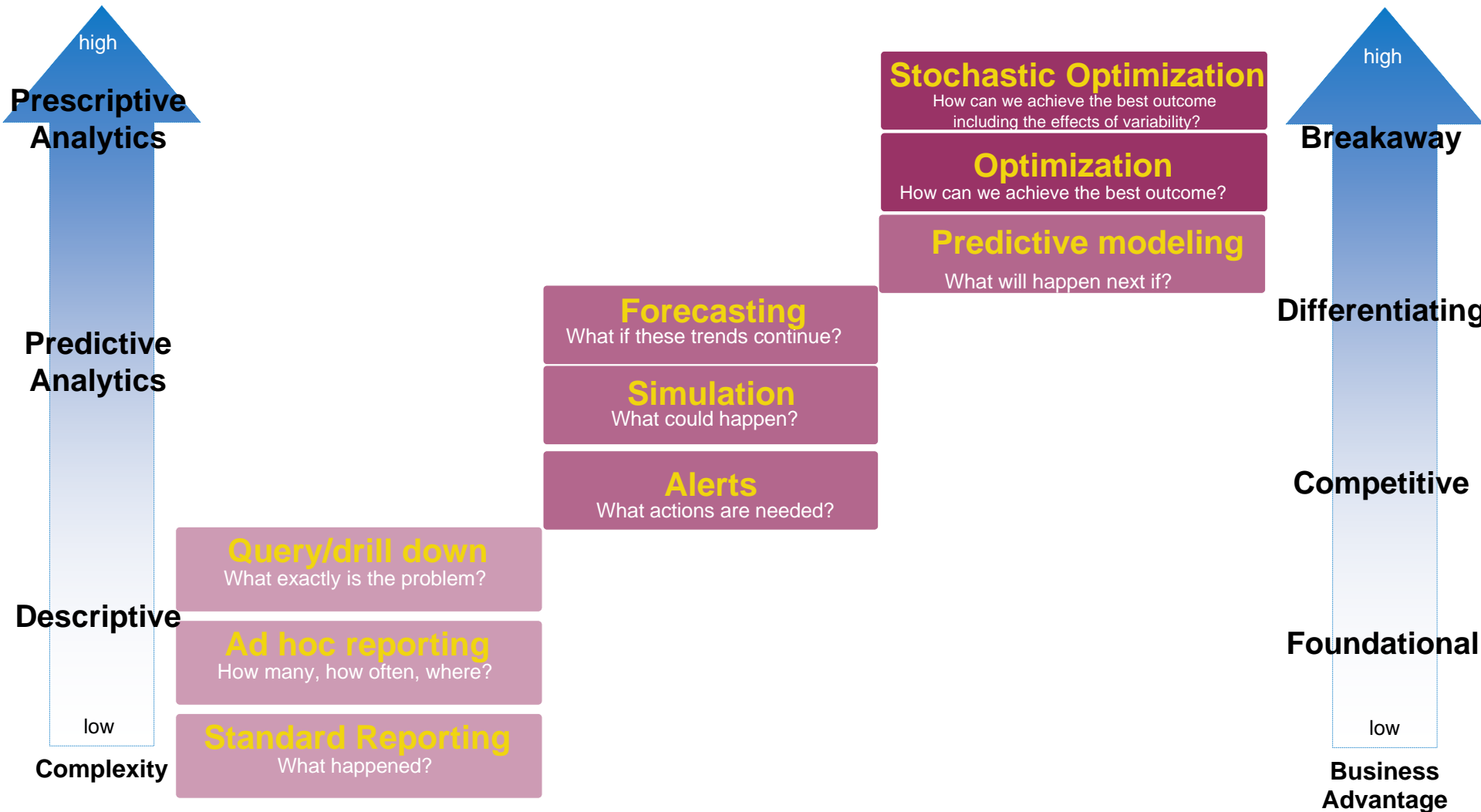
Operational Benefits



Logistic Benefits



Predicting asset management



Adapted from [Competing on Analytics](#), 2007

16:14:05 24/6/10 52.040007 0.544887 ECM HK RWS Advisory (0) Caution (0) Warning (3)

PTZ LocalSA RoverCam VeeCam

Up Down Left Right More

BMS DEF EFF LSA SYS Sniper: 70 degrees range 500 elevation 0

	BMS	DEF	EFF	LSA	SYS				FIT
Services	Source	Name of Service	Commander	Driver	Crew	Patrol	DSHQ	TGHQ	Select
	Panther_P02	axis	OFF	OFF	OFF	OFF	OFF	OFF	
	Panther_P02	GPS	ON	ON	OFF	ON	OFF	OFF	Up
Role	Panther_P02	J1939	ON	ON	OFF	OFF	OFF	OFF	
	Panther_P02	alerts	ON	OFF	OFF	OFF	OFF	OFF	Down
	Panther_P02	battery	OFF	OFF	ON	OFF	OFF	OFF	
Exit	Panther_P02	PTZ	ON	OFF	OFF	ON	OFF	OFF	Left
	Panther_P02	PTZ2	ON	OFF	OFF	OFF	OFF	OFF	Right
	Panther_P02	sniper	ON	OFF	ON	ON	OFF	OFF	Sources
	Panther_P02	RoverCam	ON	OFF	OFF	OFF	OFF	OFF	
	Panther_P02	VeeCam	OFF	OFF	OFF	OFF	OFF	OFF	
	Panther_P02	PhoneCam	OFF	OFF	OFF	OFF	OFF	OFF	
	Panther_P02	LocalSA	ON	OFF	ON	OFF	OFF	OFF	
	Panther_P02	task	ON	OFF	OFF	OFF	OFF	OFF	
	Panther_P02	status	OFF	OFF	OFF	OFF	OFF	OFF	
	Panther_P02	Equinox	ON	OFF	OFF	OFF	OFF	OFF	
	Panther_P02	ECM	ON	OFF	OFF	OFF	OFF	OFF	
	Panther_P02	briefline	ON	OFF	OFF	OFF	OFF	OFF	

15:29:59 27/7/10 52.042222 0.541538 ECM HK RWS Advisory (0) Caution (0) Warning (4)

BMS DEF EFF LSA SYS FIT

GPS J1939

Local Regional GPS MID

15:33:41 27/7/10 52.04157 0.542302 ECM HK RWS Advisory (0) Caution (0) Warning (2)

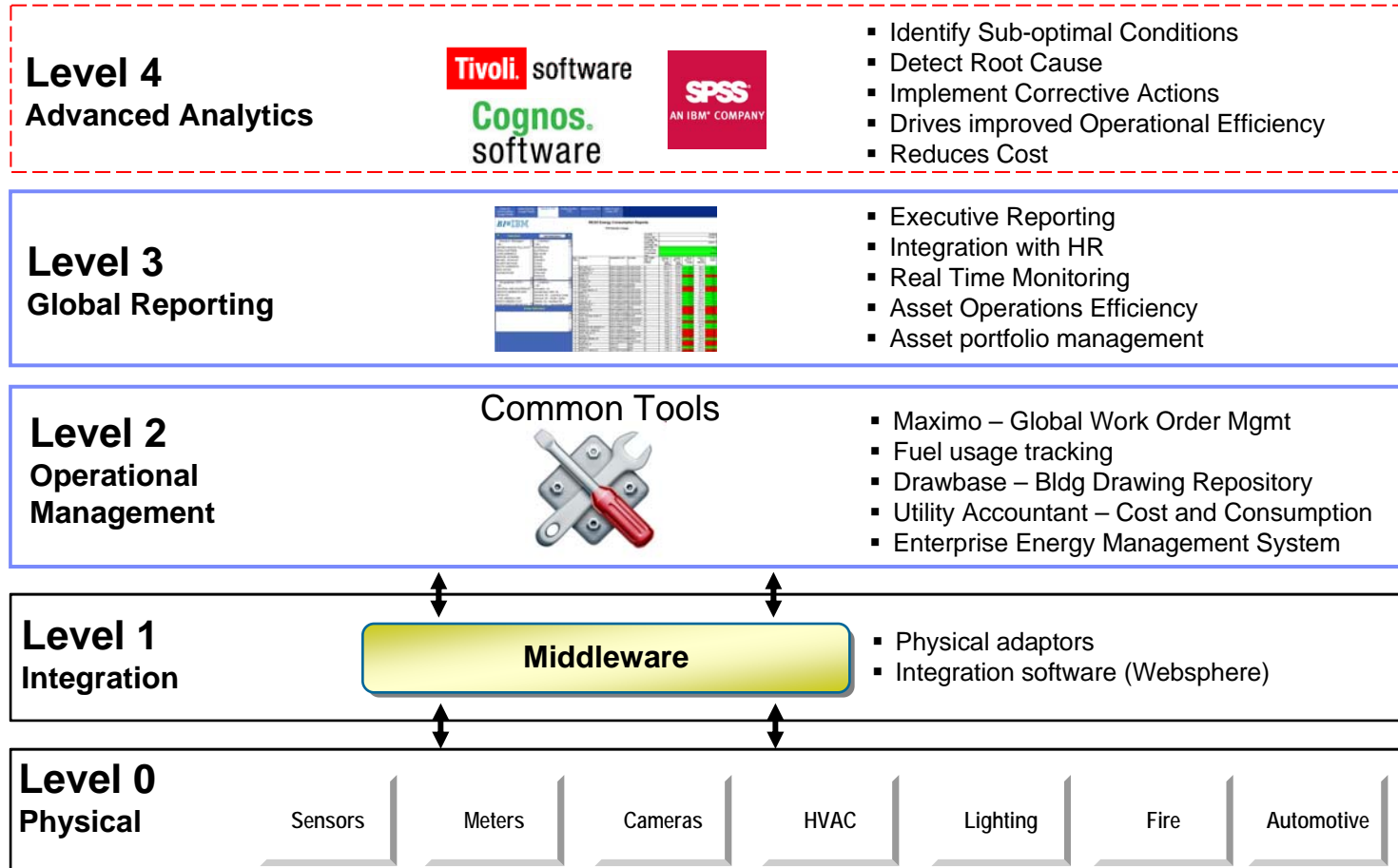
16:19:09 24/6/10 52.042222 0.541538 ECM HK RWS Advisory (0) Caution (0) Warning (17)

PTZ LocalSA LocalSA2 RoverCam VeeCam

Quad 1 2 3 4

BMS DEF EFF LSA SYS FIT

Managing the information



Smarter



Intelligent



Inter-connected



Instrumented



Making military assets smarter

