



IBM PERFORMANCE EVENTS

Smarter Decisions. Better Results.



Intelligent Solutions for a Smarter Planet

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Executive Innovation & Technology IBM Benelux
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BEST GLOBAL BRANDS 2010

The Definitive Ranking of the World's Most Valuable Brands

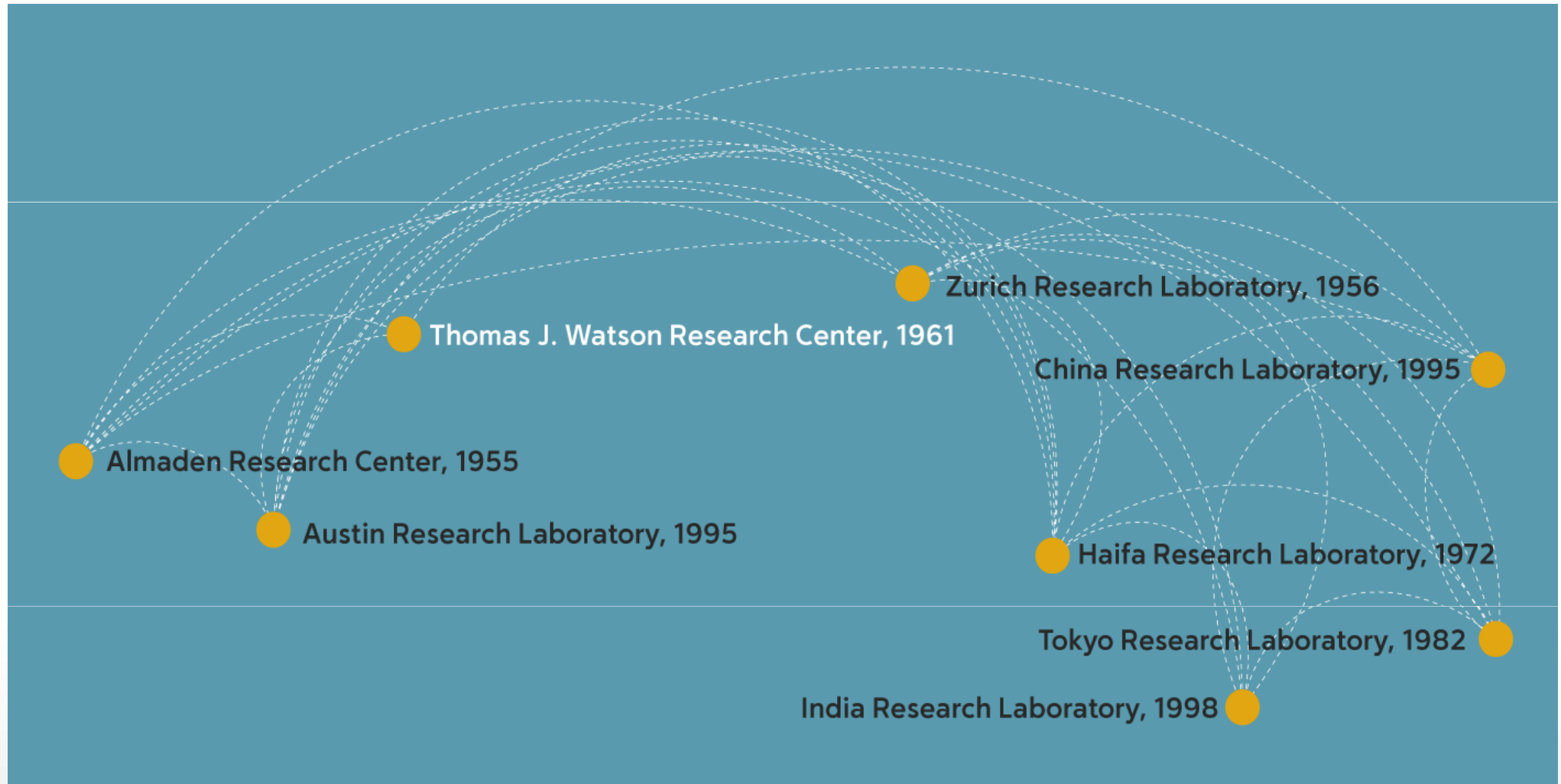
Creating and managing brand value™

Interbrand

1 2009 rank: 1 70,452 \$m ▲ +2% COCA-COLA	2 2009 rank: 2 64,727 \$m ▲ +7% IBM	3 2009 rank: 3 60,895 \$m ▲ +7% MICROSOFT	4 2009 rank: 4 43,557 \$m ▲ +36% GOOGLE	5 2009 rank: 5 42,888 \$m ▼ -10% GE	6 2009 rank: 6 33,578 \$m ▲ +4% MCDONALD'S	7 2009 rank: 7 32,815 \$m ▲ +4% INTEL		
8 2009 rank: 8 29,495 \$m ▼ -15% NOKIA	9 2009 rank: 9 28,731 \$m ▲ +2% DISNEY	10 2009 rank: 10 27,800 \$m ▲ +1% HUGO BOSS	11 2009 rank: 11 26,192 \$m ▼ -16% TOYOTA	12 2009 rank: 12 25,170 \$m ▲ +6% MERCEDES-BENZ	13 2009 rank: 13 23,298 \$m ▲ +2% GILLETTE	14 2009 rank: 14 23,219 \$m ▲ +5% CISCO		
15 2009 rank: 15 22,322 \$m ▲ +3% BMW	16 2009 rank: 16 21,860 \$m ▲ +4% LOUIS VUITTON	17 2009 rank: 17 21,143 \$m ▲ +37% APPLE	18 2009 rank: 18 20,700 \$m ▲ +5% MARLBORO	19 2009 rank: 19 19,401 \$m ▲ +11% SAMSUNG	20 2009 rank: 20 18,506 \$m ▲ +4% HONDA	21 2009 rank: 21 16,136 \$m ▲ +5% H&M		
22 2009 rank: 22 14,881 \$m ▲ +9% ORACLE	23 2009 rank: 23 14,863 \$m ▲ +3% PEPSI	24 2009 rank: 24 13,944 \$m ▼ -7% AMERICAN EXPRESS	25 2009 rank: 25 13,786 \$m ▲ +4% NIKE	26 2009 rank: 26 12,756 \$m ▲ +5% SAP	27 2009 rank: 27 12,753 \$m ▼ -4% NESCAFÉ	28 2009 rank: 28 12,487 \$m ▲ +4% IKEA		
29 2009 rank: 29 12,314 \$m ▲ +29% J.P. MORGAN	30 2009 rank: 30 12,252 \$m ▲ +4% BUDWEISER	31 2009 rank: 31 11,826 \$m ▲ +2% UPS	32 2009 rank: 32 11,563 \$m ▲ +10% HSBC	33 2009 rank: 33 11,485 \$m ▲ +10% CANON	34 2009 rank: 34 11,356 \$m ▼ -5% SONY	35 2009 rank: 35 11,041 \$m ▲ +6% KELLOGG'S	36 2009 rank: 36 9,665 \$m ▲ +23% AMAZON.COM	37 2009 rank: 37 9,372 \$m ▲ +2% GOLDMAN SACHS
38 2009 rank: 38 8,990 \$m ▼ -2% NINTENDO	39 2009 rank: 39 8,976 \$m ▲ +6% THOMSON REUTERS	40 2009 rank: 40 8,887 \$m ▼ -13% CITI	41 2009 rank: 41 8,880 \$m ▼ -14% DELL	42 2009 rank: 42 8,606 \$m ▲ +7% PHILIPS	43 2009 rank: 43 8,453 \$m ▲ +15% EBAY	44 2009 rank: 44 8,346 \$m ▲ +2% GUCCI	45 2009 rank: 45 7,981 \$m ▲ +3% L'ORÉAL	46 2009 rank: 46 7,534 \$m ▲ +4% HEINZ
47 2009 rank: 47 7,481 \$m ▼ -3% ACCENTURE	48 2009 rank: 48 7,468 \$m ▲ +10% ZARA	49 2009 rank: 49 7,315 \$m ▲ +8% SIEMENS	50 2009 rank: 50 7,195 \$m ▲ +3% FORD	51 2009 rank: 51 6,919 \$m ▲ +6% COLGATE	52 2009 rank: 52 6,911 \$m ▲ +8% MORGAN STANLEY	53 2009 rank: 53 6,892 \$m ▲ +6% VOLKSWAGEN	54 2009 rank: 54 6,762 \$m ▲ +32% BLACKBERRY	55 2009 rank: 55 6,719 \$m ▲ +3% MTV
56 2009 rank: 56 6,604 \$m ▲ +3% AXA	57 2009 rank: 57 6,548 \$m ▲ +4% NESTLÉ	58 2009 rank: 58 6,363 \$m ▲ +7% DANONE	59 2009 rank: 59 6,189 \$m ▼ -5% XEROX	60 2009 rank: 60 5,844 \$m ▲ +2% KFC	61 2009 rank: 61 5,777 \$m ▲ NEW SPRITE	62 2009 rank: 62 5,495 \$m ▲ +2% ADIDAS	63 2009 rank: 63 5,461 \$m ▲ +9% AUDI	64 2009 rank: 64 5,072 \$m ▲ +3% AVON
65 2009 rank: 65 5,033 \$m ▲ +9% HYUNDAI	66 2009 rank: 66 4,958 \$m ▼ -3% YAHOO!	67 2009 rank: 67 4,904 \$m ▲ +28% ALLIANZ	68 2009 rank: 68 4,846 \$m ▲ NEW SANTANDER	69 2009 rank: 69 4,782 \$m ▲ +4% HERMÈS	70 2009 rank: 70 4,784 \$m ▼ -6% CATERPILLAR	71 2009 rank: 71 4,536 \$m ▲ +3% KLEENEX	72 2009 rank: 72 4,404 \$m ▲ +4% PORSCHE	73 2009 rank: 73 4,351 \$m ▲ +3% PANASONIC



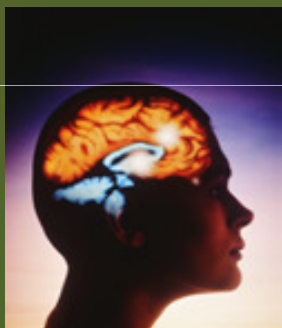
IBM Research Worldwide



Now also in BRAZIL !!!

Diversity of Disciplines at IBM Research

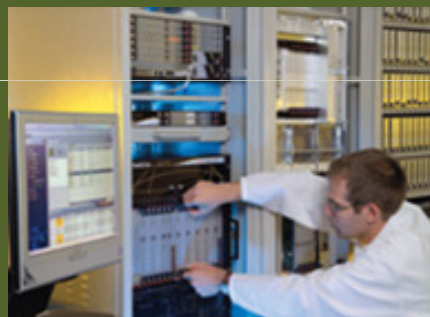
Behavioral Sciences



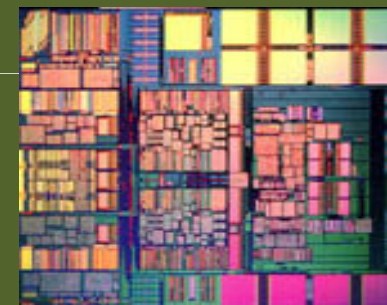
Chemistry



Computer Science



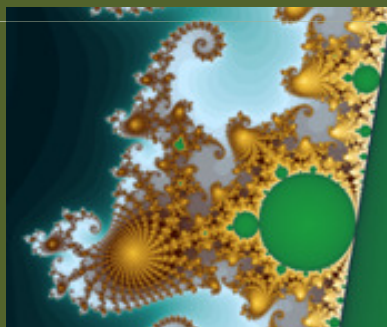
Electrical Engineering



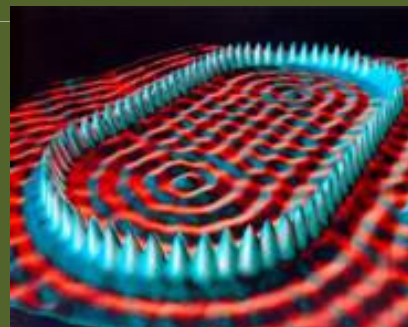
Materials Science



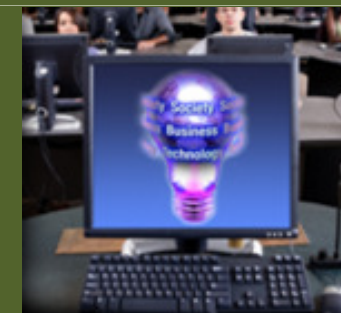
Mathematical Sciences



Physics



Service Science, Management & Engineering



A Culture of Innovation

5 Nobel Laureates



9 National Medals of Technology



5 National Medals of Science



6 Turing Awards



21 Members in National Academy of Sciences



Over 300 Professional Society Fellows

- | | | |
|------|------|-----|
| AAAS | ACM | ACS |
| APS | AVS | ECS |
| IOP | IEEE | OSA |

59 Members in National Academy of Engineering



10 Inductees in National Inventors Hall of Fame



Huge amounts of data

It took 4 million years to create all data until the year 0

This amount doubled in the next 1500 years (until the Renaissance)

When we look at the sixties of last century we have doubling of data every 6 years

Now around 2010 we see a doubling every six months
And it keeps growing !!!

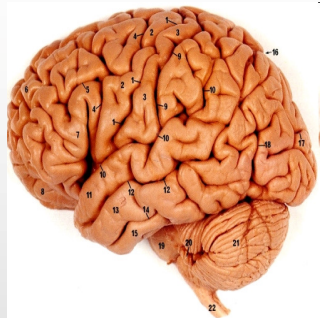


For our Smarter Planet strategy we need **2** things

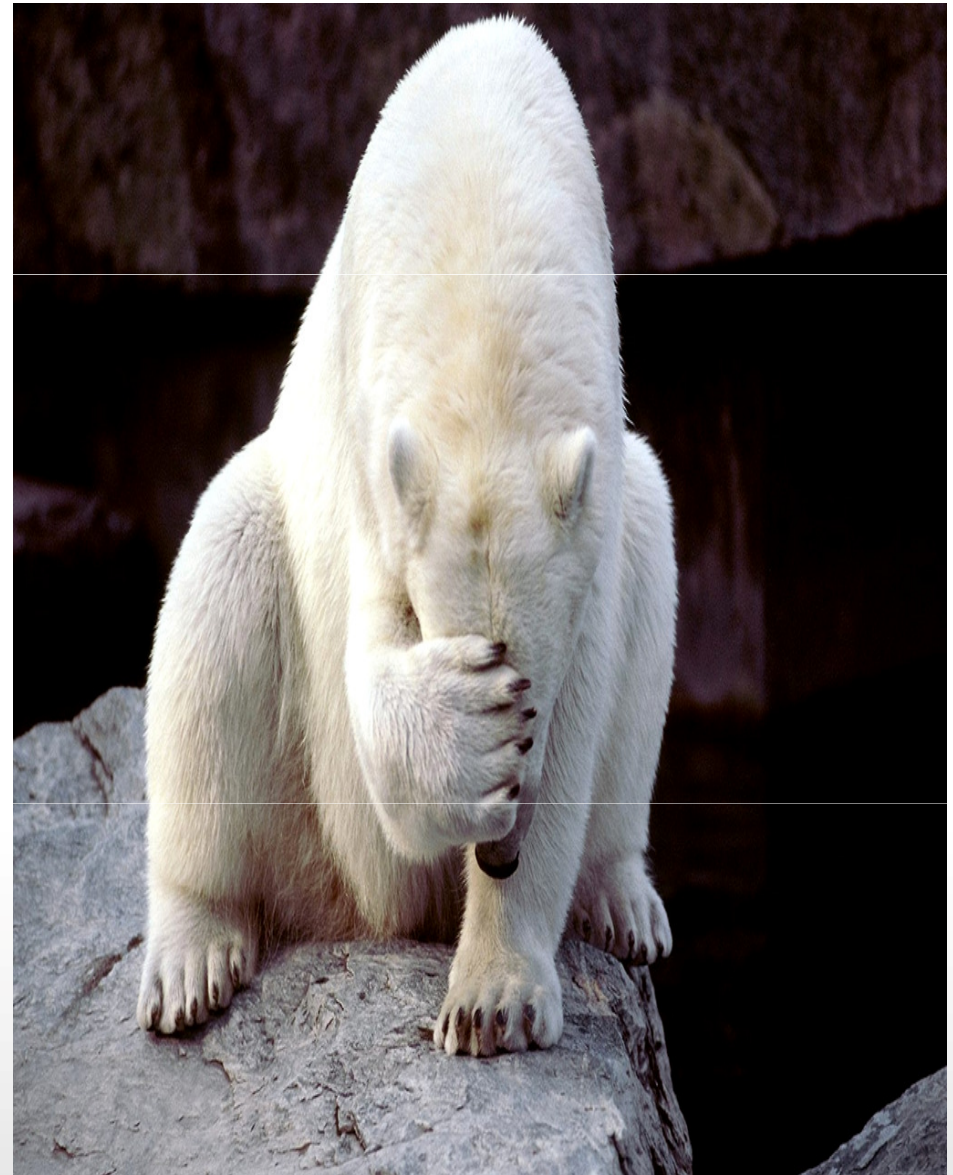
- 1. Computer Power**
- 2. Calculation methods.**

**As customers you know its going well with computerpower!
We are on the first place with a Petaflop computer.**

In 2015 the available computerpower will reach 10 Petaflop!!



As much brainpower as the human brain



INTELLIGENCE UNLEASHED

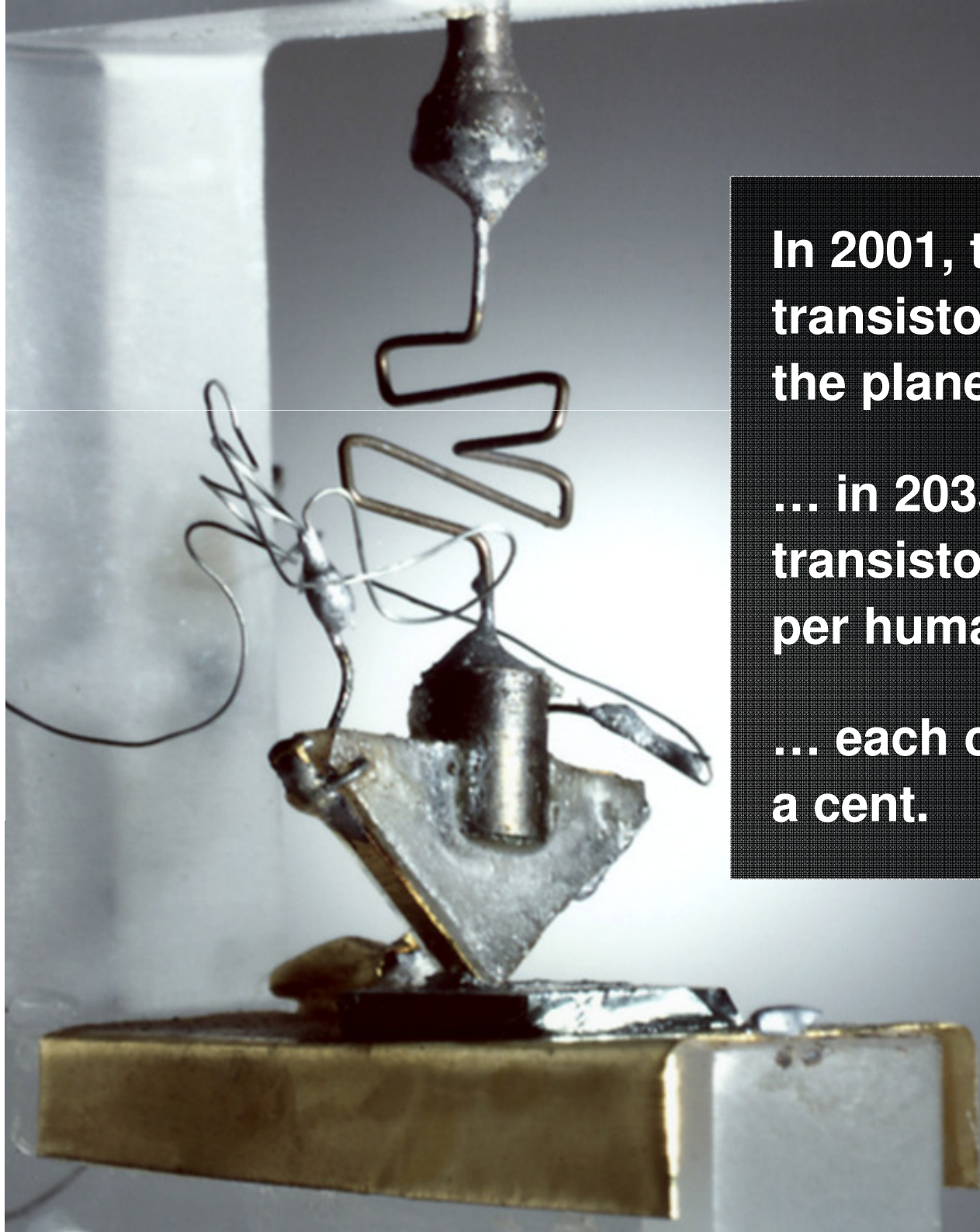
Freedom to **Think**

Connect with Others

and Simply **Do**



**Proven platform with
seamless upgrade.**

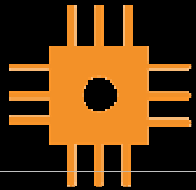


In 2001, there were 60 million transistors for every human on the planet ...

... in 2035 there will be 100 billion transistors per human...

... each costing 1/10 millionth of a cent.

Lets build a Smarter Planet



Our world is becoming

INSTRUMENTED



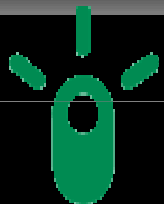
Our world is becoming



INTERCONNECTED



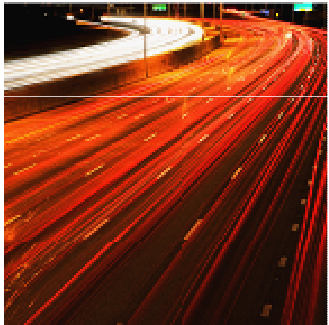
Virtually all things, processes and ways of working are becoming



INTELLIGENT



Smarter Planet IBM's strategy to think and act in new ways, economically, socially and technically



Smarter Transportation



Smarter Oil & Gas



Smarter Food



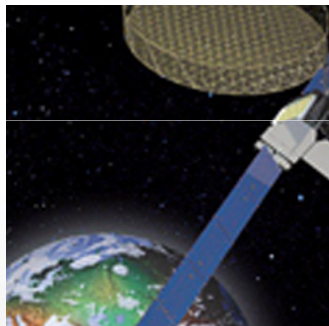
Smarter Healthcare



Smarter Utilities



Smarter Retail



Smarter Telco



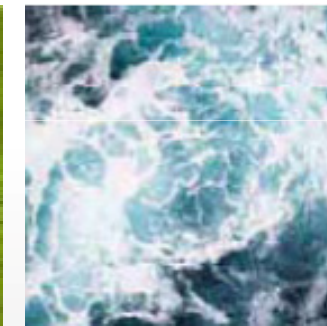
Smarter Supply Chains



Smarter Public Safety



Smarter Money



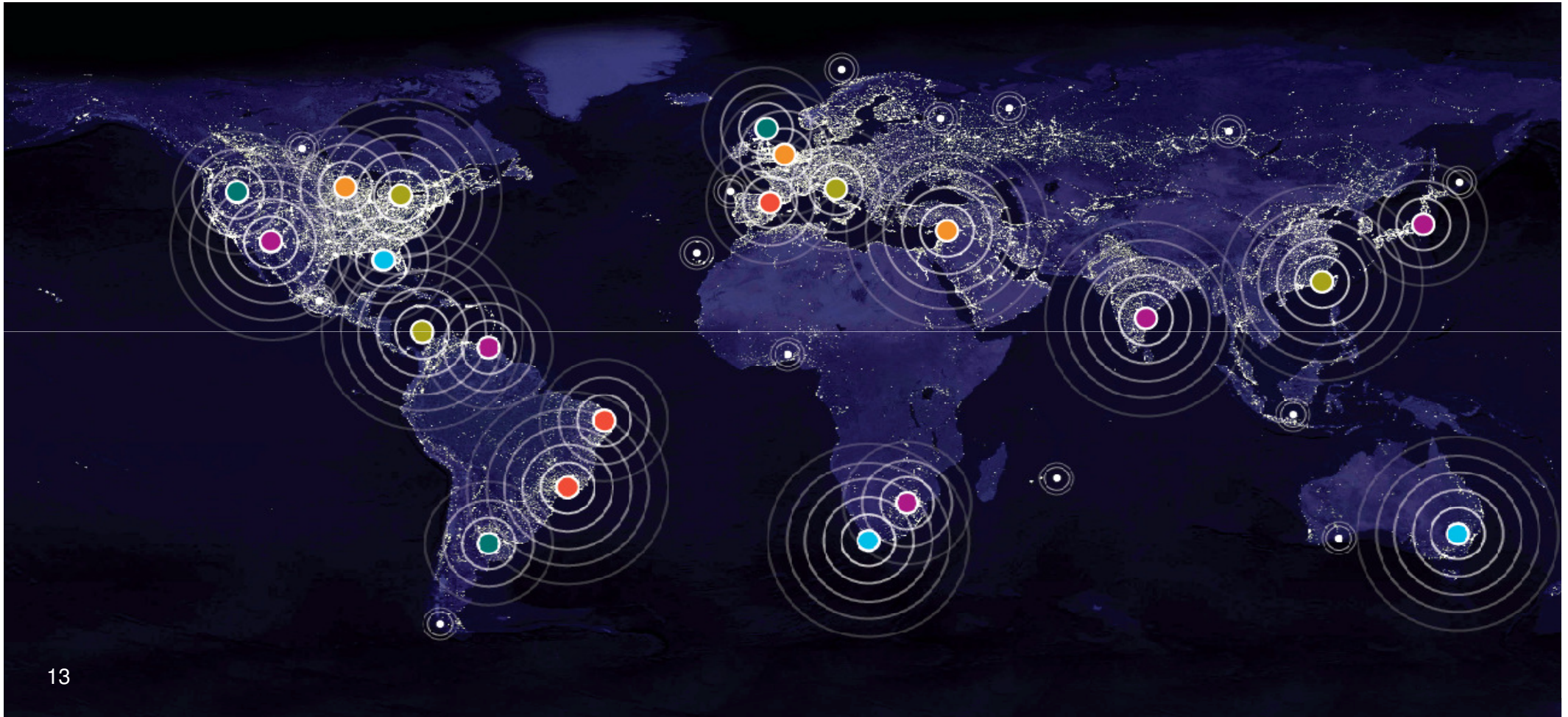
Smarter Water Management

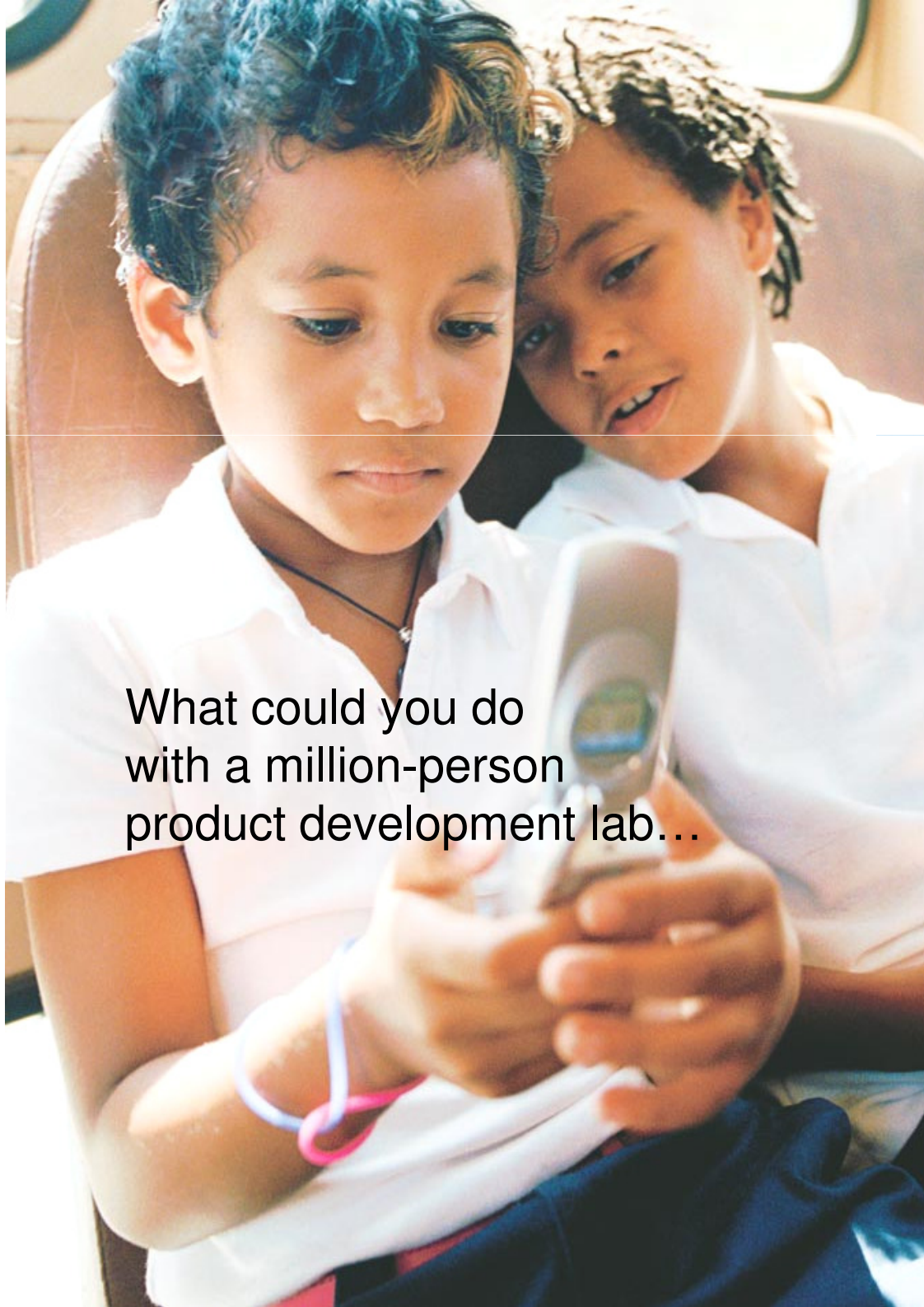


Smarter Cities

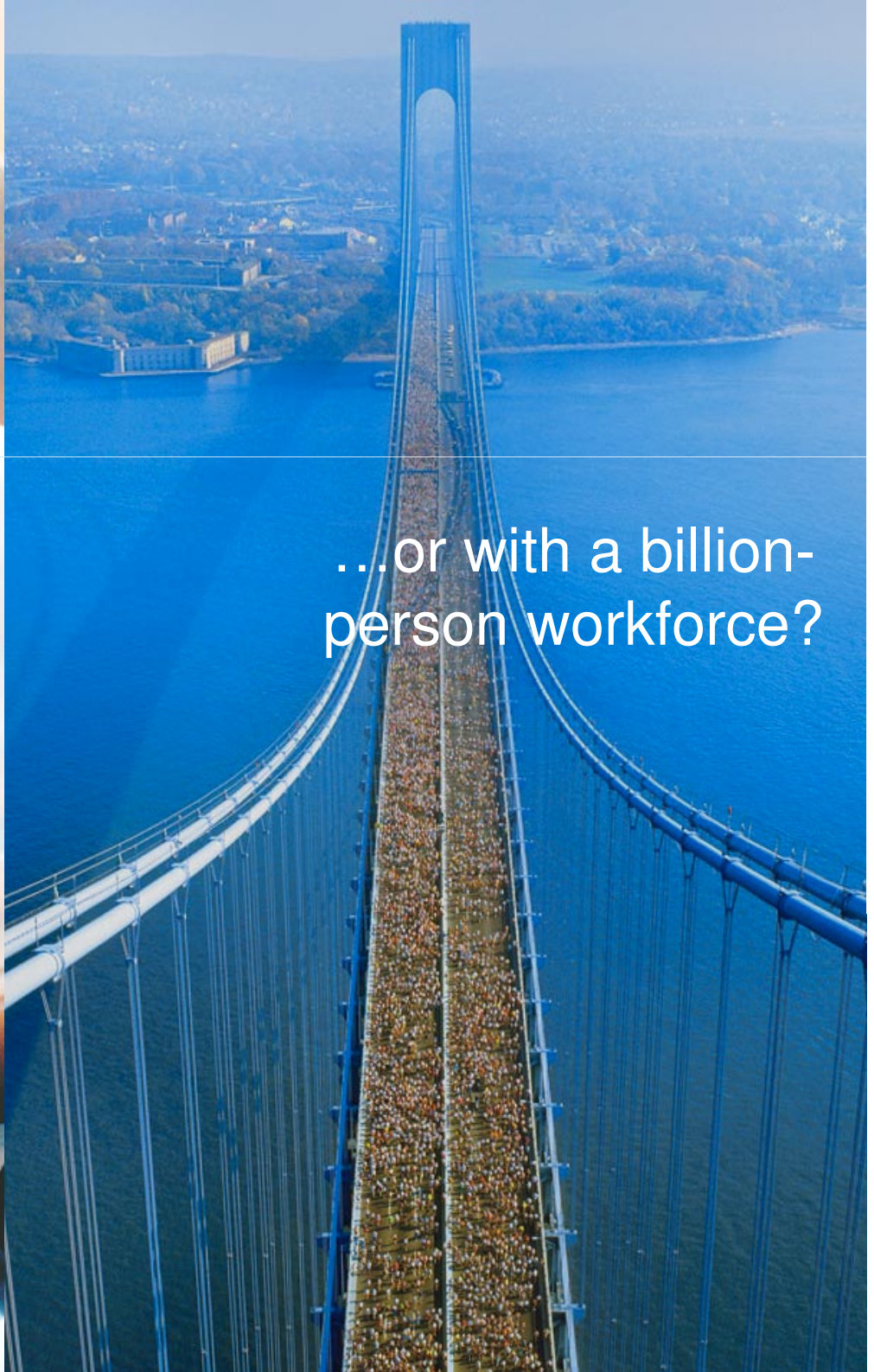
Smarter Cities

In 2007, for the first time in history, the majority of the world's population lived in cities – 3.3 billion. By 2050, city dwellers are expected to make up 70 percent of the earth's total population – 6.4 billion.





What could you do
with a million-person
product development lab...



...or with a billion-
person workforce?

It's time to take advantage of....

smart objects

the connectedness of everything

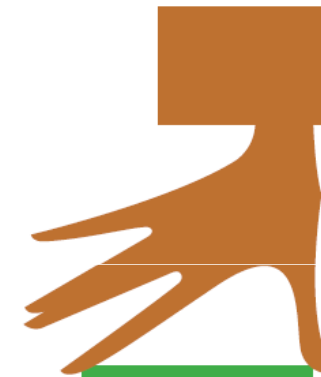
supercomputing for everyone

information put to work

collaboration & co-creation

the marketplace for expertise

the virtual corporation



strategy

R&D

HR

IT

Across the globe IBM and her Business Partners have to deal with a a crushing set of challenges

10 billion

Number of marketplace data messages handled by global trading systems each day, placing these systems under extreme stress

78%

Percentage of CIOs who want to improve the way they use and manage their data

20% to 70%

Loss of electrical energy around the world because of inefficiency



1 trillion

Number of devices that will be connected to the Internet by 2011

\$48 Billion

In the U.S., a typical carrot has traveled 1,600 miles (in Benelux about 320 km), a potato 1,200 miles, a chuck roast 600 miles... Grocers and consumers throw away \$48 billion worth of food every year.

US\$4 trillion

Average daily volume in the world's currency marketplaces

A possible example Highway A2 in 2025





What could you do if all objects were intelligent...



...and connected?

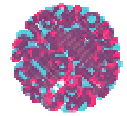
IBM software delivers luggage— with 60% reduction in losses or delays

Smarter transportation

The Amsterdam airport integrated its baggage control and sorting systems with passenger check-in and real-time flight information.

The result is a 60 percent reduction in delayed or lost luggage, a 22 percent reduction in luggage transfer time and a 40 percent savings in operational costs.

Smarter Traffic



Stockholm implemented an intelligent toll system in the city center, which resulted in 20% less traffic, 40% lower emissions and 40,000 additional users of the public transportation system.



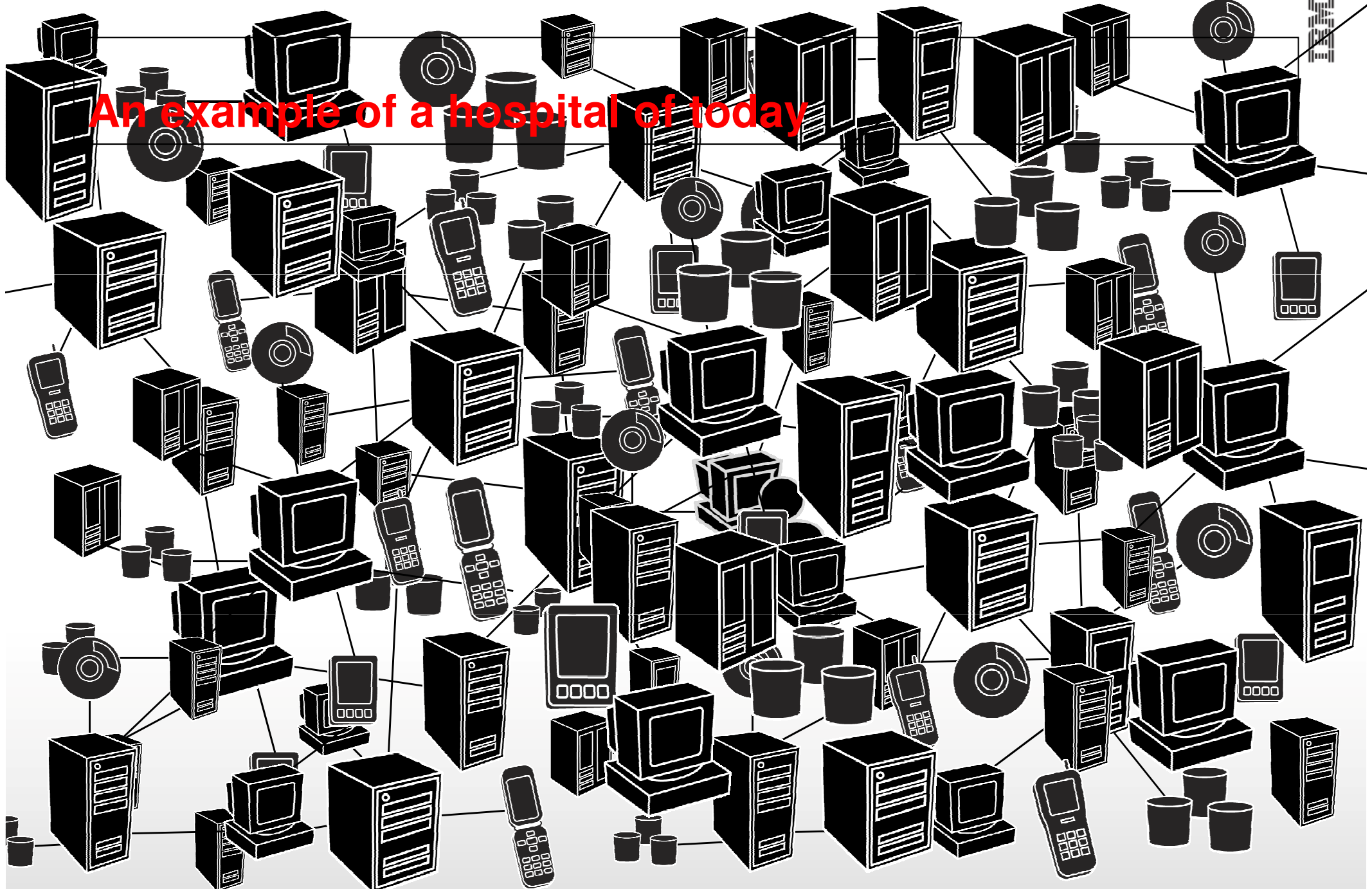
DAF Trucks wanted to make their fleet management smarter. DAF engaged IBM to facilitate a solution in which DAF and its customers could use telemetry data. This system uses real-time data gathered from the fleet's trucks, providing options to better interact with the fleet and optimize processes in real time.



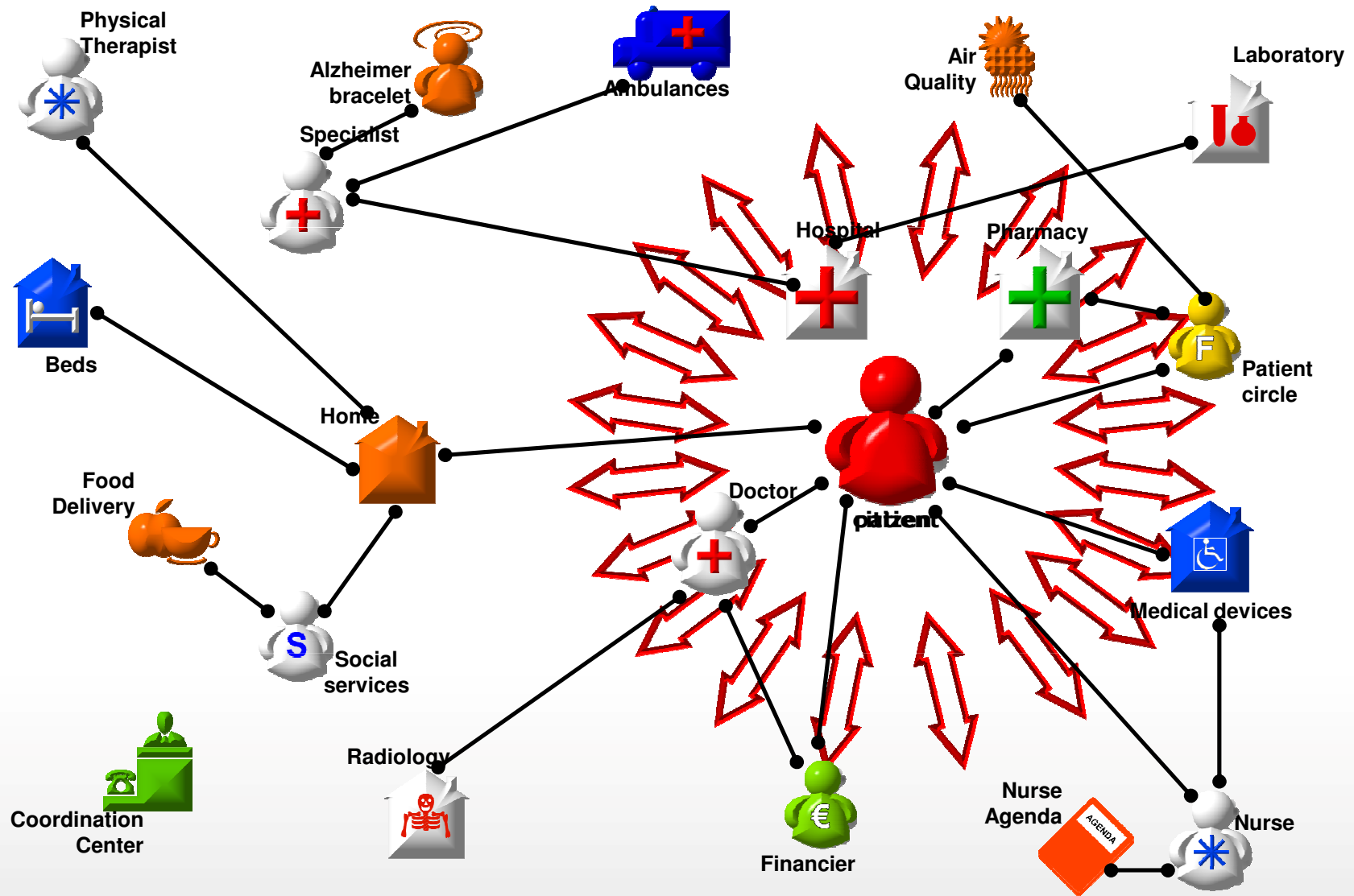
The first Dutch road charging trial done by IBM and NXP in the **city of Eindhoven** demonstrates that Road User Charging has a positive effect on driving habits which are necessary to improve mobility. The results show that 70% of trial participants improved behavior by avoiding rush hours and using highways instead of local roads.



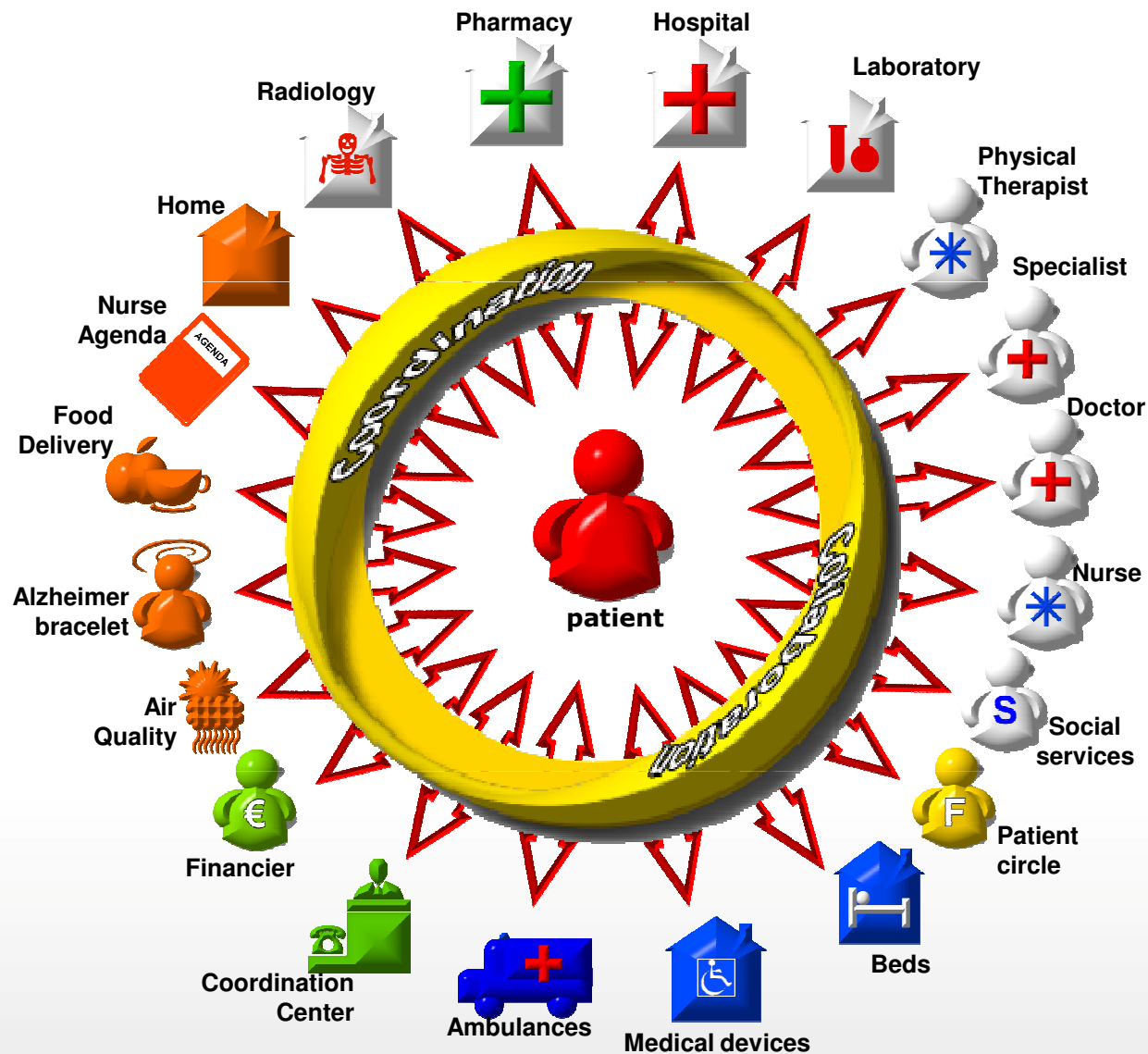
An example of a hospital of today



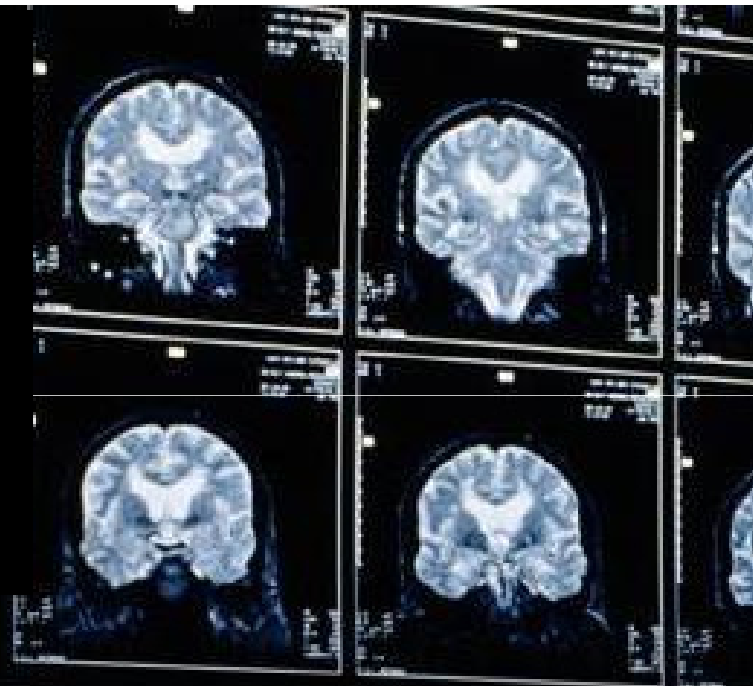
FROM:



TO: a Smarter Healthcare System



IBM software reduces the guesswork— 20 times faster



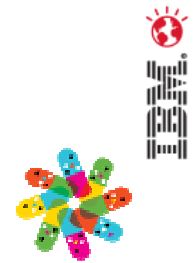
Smarter healthcare

Researchers at EuResist can predict how a patient with HIV will respond to treatment by instantly comparing a blood sample against 33,000 HIV treatment histories.

Doctors treat patients based on insights that are more than 76 percent accurate and come up to 20 times faster than anything in the marketplace.



Smarter Healthcare



In **Rochester** in the US, Mayo Clinique and IBM are collaborating to help physicians the ability to register medical images up to 50-times quicker and provide critical diagnosis, such as the growth or shrinkage of tumors, in seconds instead of hours.

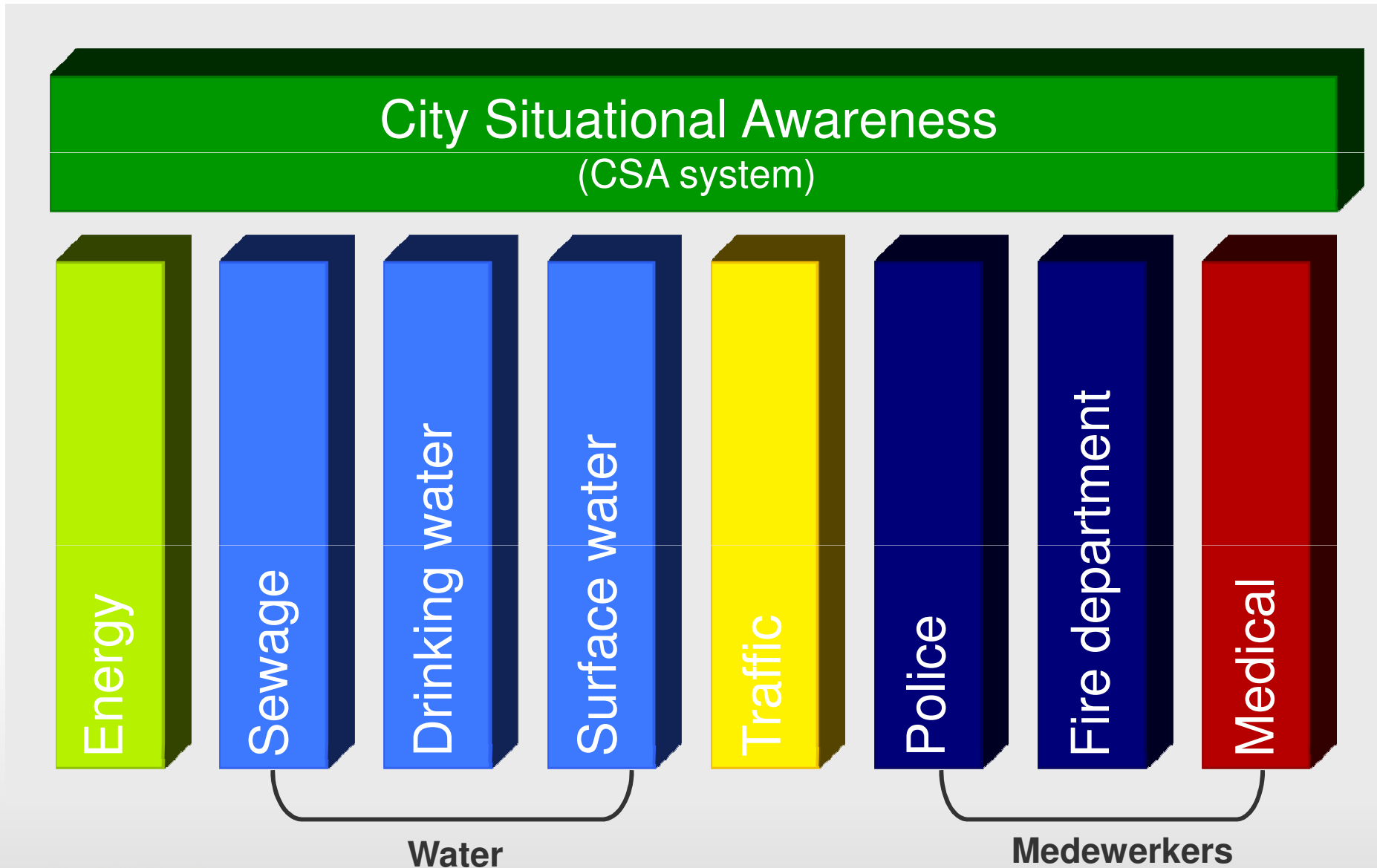


In **Antwerp** IBM helped the Universitair Ziekenhuis Antwerpen to develop a platform to improve the knowledge and diagnostic capability of rare diseases.



In **Alkmaar** we are building the hospital environment for the future. This is to gain a higher efficiency and open possibilities to build a new IT platform that makes these hospitals ready for the new ways of communication within Healthcare.

The CSA System: integrating several 'stovepipes'



Rotterdam Demo Scenario

1



Melting snow in Alps & rainwater

2



Rhine level above normal

11



Information release / Distribution

Energy

Water

Decision Support

Traffic

Resources

Medical

3



UK storm & NL Dyke inspections

10



Centre Dordrecht flooded & SMS messages

4



Fast rising water in Rhine and Maas

How can we set priorities in giving information to the firedepartment and police (concerning the status of tunnels, squires, etc.)

9



Sea water rising & Maesland barrier

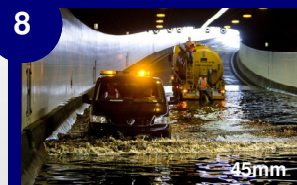
5



Dyke inspector reports

How can we set the right pumping volume?

8



Heinenoord Tunnel flooded & GPS messages

6



Arriving storm & Pumping activity

7

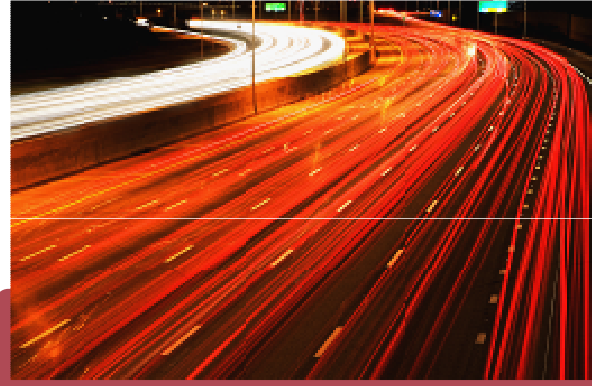


Preparation of water plazas

Smarter Cities



IBM is helping the City of **Rotterdam** to monitor real-time data regarding climate change and energy management, enabling the local government to reduce the amount of CO2 in the city, realize better water management and create a better environment for its citizens.



Brussels & Leuven are lining up to showcase the solution IBM and partners developed. Next to the road charging functionality, other capabilities of the solution and value added services will be tested and demonstrated



In the city of **Mons**, IBM partners with the Walloon Region and Cisco for the creation of a non-profit initiative: the "Euro Green IT Innovation Center". Purpose of this Center is to launch innovative pilot projects in the Region

In the end its all “quite simple”

Make use of the available information & tools

- **Connect different sources**
- **Analysing**
- **Calculating**
- **Data mining**
- **Take decisions**



- **START TO WORK With IBM BUSINESS ANALYTICS FOR A SMARTER PLANET**

Going towards the future with new technologies takes courage ...



Thanks for your attention