Enabling the Future

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Creating 'Essential Value' in the resource constrained One Planet World 1 = P*C*RI

http://bit.ly/hh3eU2

Vital to Remember

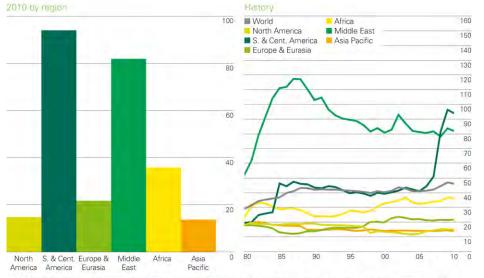
- This a Challenging Adventure, not an Impossible Challenge.
- Although Resources will be constrained.
- People will be
 - Plentiful
 - Creative <u>http://www.ted.com/talks/ken_robinson_says_schools_kill_creativity.html</u>
 - Ingenious
 - Enterprising
- Many enterprises will fail.

But many can survive, be created and grow.

Out of Easy Energy

Reserves-to-production (R/P) ratios

815



World proved oil reserves in 2010 were sufficient to meet 46.2 years of global production, down slightly from the 2009 R/P ratio because of a large increase in world production; global proved reserves rose slightly last year. An increase in Venezuelan official reserve estimates drove Latin America's R/P ratio to 93.9 years – the world's largest, surpassing the Middle East.

"World oil reserves in 2010 were sufficient to meet 46.2 years of global production"

http://www.bp.com/sectionbodycopy.do?categoryId=7500&contentId=7068481

What about hoped for Global Demand?

Out of your Element

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http://www.aps.org/units/fps/newsletters/201107/jaffe.cfm

Resource Preparedness Order

Section 103c

"Be prepared, in the event of a potential threat to the security of the United States, to take actions necessary to ensure the availability of adequate resources and production capability, including services and critical technology, for national defense requirements"

http://www.whitehouse.gov/the-press-office/2012/03/16/executive-ordernational-defense-resources-preparedness

The Circular Economy

For foreign producers, China's success in the Circular Economy effort would set a new level for competitiveness in the world economy.

http://www.indigodev.com/Circular1.html





http://vimeo.com/2362082

Contract and Converge

- At core is our need to contract and converge; how can we creatively match the energy and Resource Intensity of SystemUK to the affordable energy and other resources available to us as a society to give a sustainable 'Quality of Life'.
- Critically it is not only about technologies but also about how we 'organise' ourselves as a society and businesses to continually reduce the Resource Intensity of the 'essential' services we enjoy.

Managing for Future Competitive Advantage

Resource Constraints

- We have to recognise that as we move forward from this point we will face the following.
 - Energy, water and other resources will be constrained
 - Human resources will be plentiful
- The fact that human resources will be plentiful can be viewed both negatively and positively.
- These constraints lead inevitably to the following conclusions –

We Cannot

- Create growth faster than we can reduce Resource Intensity (RI).
- Waste or ineffectively invest resources.
- Freely transport resources or goods.
- Use a linear system of creation, use and disposal.
- Keep creating products and services that allow unlimited forms of self-actualization.
- Invest in inflexible technology, infrastructure and buildings.
- Design for obsolescence.
- Use Energy and water wantonly and ineffectively.

Tomorrow's Organisations

- Depend on their abilities to continually transform what they do and how they do it.
- And to achieve this they need a regeneration of the mindset that led them to this point in time.
- They must have the ability to think beyond the boundaries of the organisation to the wider system.
- And seek to attain their organisational outcomes at continually reducing Resource Intensity.

Managing for the Future

- Successful organisations will maintain or increase the Essential Value Created on Resources Invested by
 - Satisfying emotional and spiritual need rather than gratuitous wants

 self-actualisation
 - Satisfying essential needs in the lower orders of Maslow's Pyramid
 - Employing people rather than energy
 - Creating or using renewable energy and other resources
 - Minimising water use or creating the technologies that do
 - Creating and deploying climate stabilising and mitigation technologies
 - Being increasingly local
 - Providing a service rather than a product
 - Practicing lifecycle stewardship of their resources
 - Managing value rather than cost

Resource Intensity, 1 = P*C*RI

- We can say that Resource Intensity is the Resource use per person per unit of 'essential' value created.
- And we can state the 'First Law of Sustainability' as
 - "In a resource constrained environment, goods and services can only grow at the rate at which we can reduce Resource Intensity".
- By definition, any product or process that doesn't add 'essential' value has infinite Resource Intensity.
- This defines your Business Strategy. <u>http://bit.ly/GDxLOZ</u>

Essential Value & Effectiveness



Highways agency removing Lights from the Motorway System. http://bit.ly/xo3Pma Young People moving from the Car to the Internet. <u>http://nyti.ms/GOu1p6</u>



Forget the Past 20 years

- The future is not 'Green' or 'Sustainable' when formulating your Business Strategy and Action Plans.
- It is about continual improvement and the 'Quality' of what you do.
- You are on a Sustainable Development journey of continual improvement towards perfect Quality.
- Deming laid out 14 points and the first one was
 - "Create constancy of purpose toward improvement of product and service, with the aim to become competitive and to stay in business, and to provide jobs". <u>http://bit.ly/eP5hap</u>
- He also said "Survival is not Compulsory".

http://bit.ly/GDwXGK

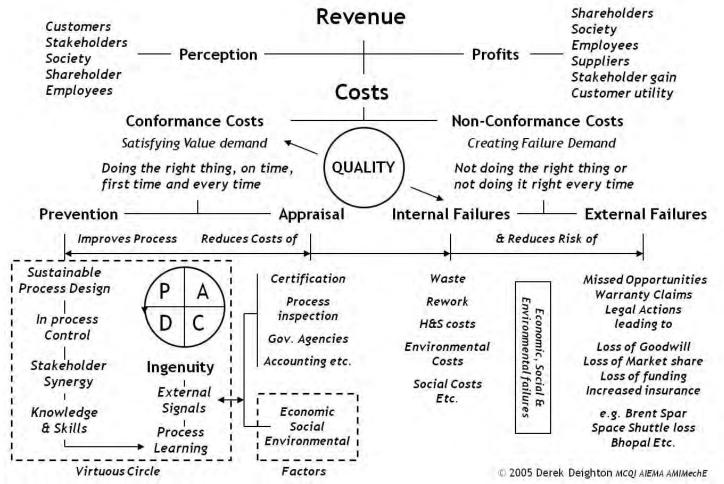
QUEST ~ Interface Carpets

- QUEST program -- Quality Utilizing Employee
 Suggestions and Teamwork
 - Process relied heavily on frameworks of organizational learning -team learning, systems thinking and shared dialogue.
 - Seeking solutions that may not drive business results this quarter, but often become the basis of our future success.
 - Ultimately, Interface believes Organizational Learning is a mindset – it's the pathway to 2020 and beyond.
 - Feedback collected to date indicates that we need to become better communicators, collaborators and learners, not just within our global business, but in partnership with external stakeholders.

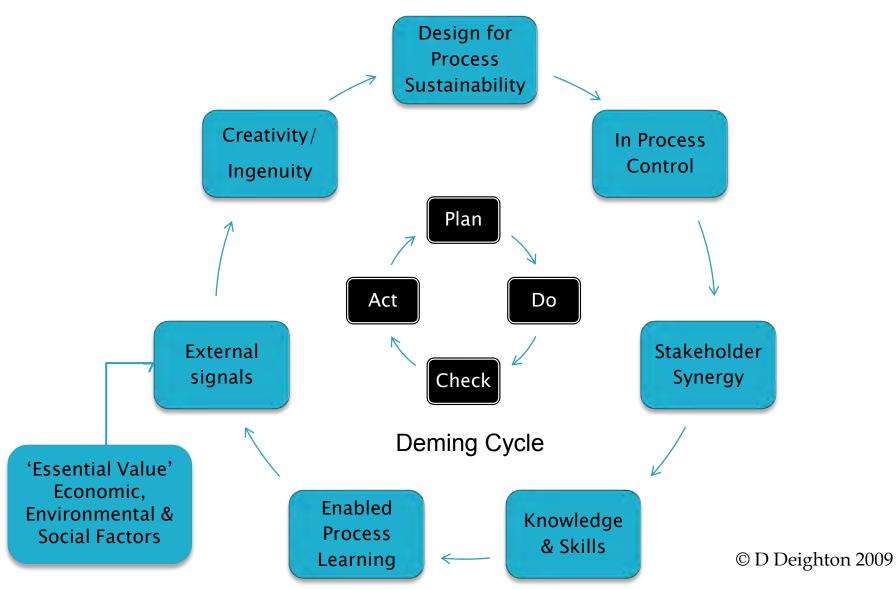
http://bit.ly/GLAOS7

Quality & Organisational Sustainability

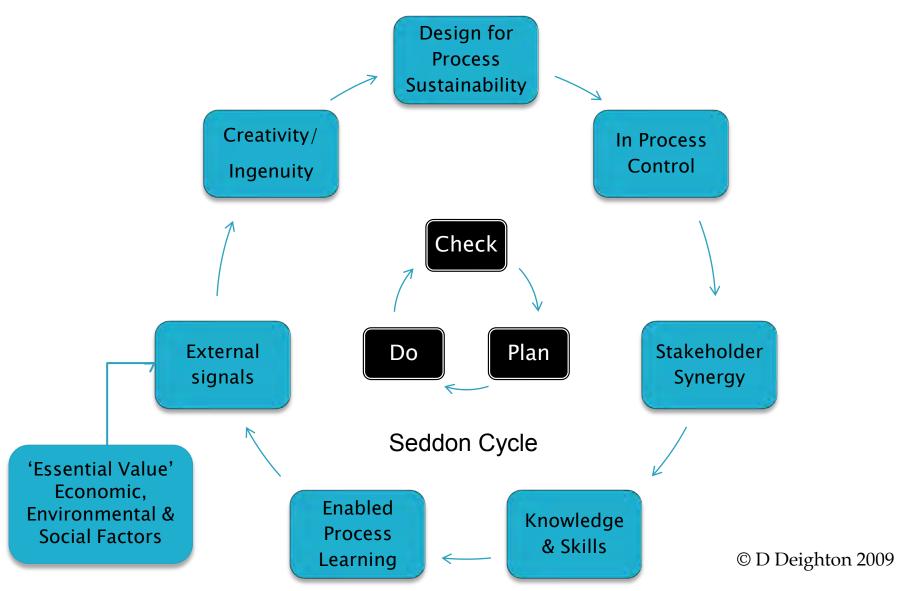
Quality maximises the essential value added to society that results from the creation, use and disposal of products and services (at decreasing resource intensity)



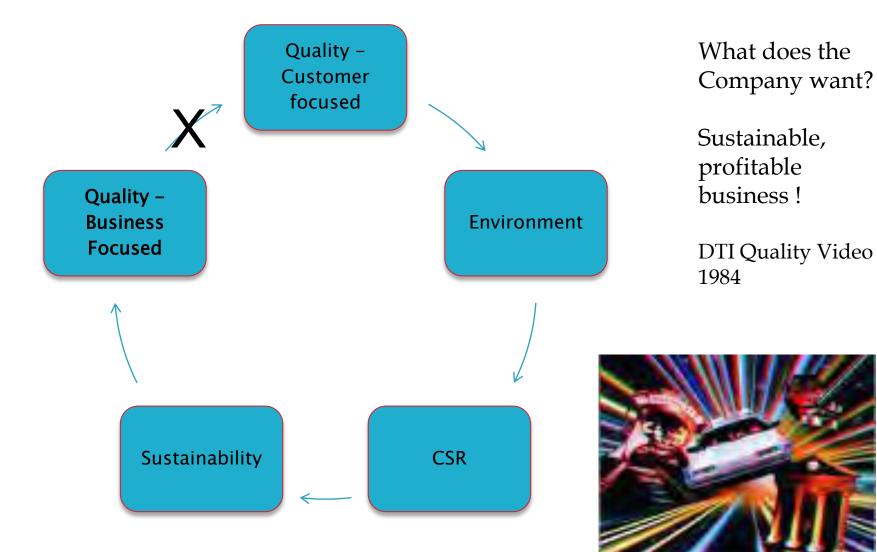
A Virtuous Circle



A Virtuous Circle



Back to the Future



Thank You for Listening

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Resources for this presentation

<u>http://trailblazerbusinessfutures.wordpress.com/governance/seminar-resources/lc/</u>