





Synopsis of the movie Alien

The time is far in the future. A commercial space towing ship the Nostromo, makes an unscheduled stop at a remote planet, where one of the crew members is attacked by a parasite.

A horrible scene in which the parasite bursts through his chest sets up the rest of the story in which each crew member meets a horrible death until only one remains. As it turns out, the encounter was intentional.

The creature, a perfect killing machine, was know to authorities months before and they wanted to use the ship's crew to bring one of them back so it could be weaponized. The crew had no idea.

One lesson is that if you find yourself in an unknown situation assume the worst case and don't get too close to the <u>unknown</u>

But the lesson for you

know your real mission, and be **Confident** in what you need to achieve.

And why is that important...

Know your current mission, as Our History is no template for our future



At the start.....



SWECO - how to meet new challenges

BRE

Our mission today, is very different







ZED HUB



Petrol Station of the future!

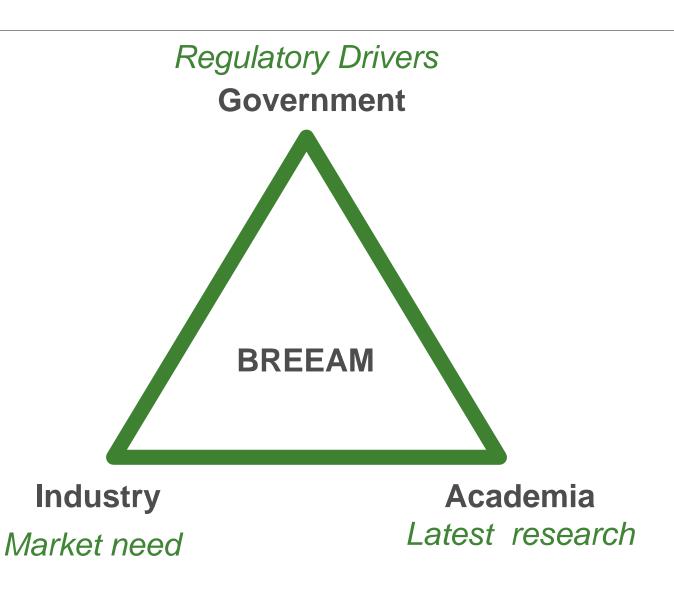
The Big Picture

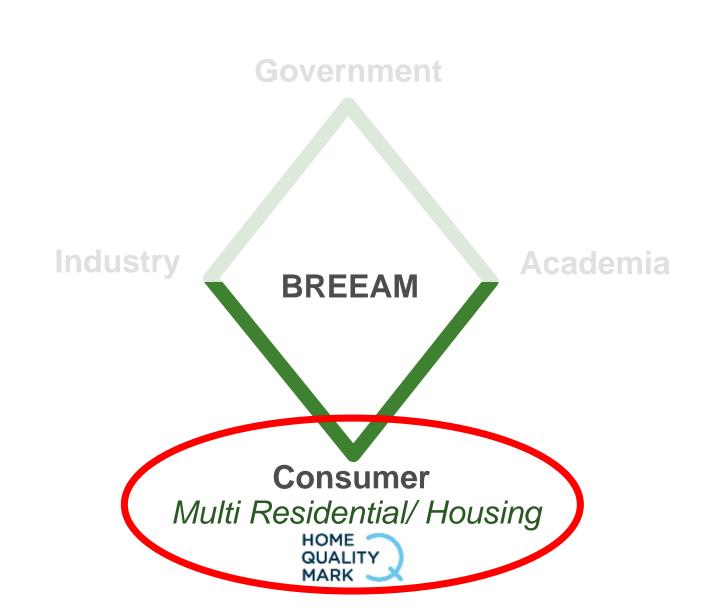
- (Ultra) transparency;
- Brands in the Firing line (Response = Beyond shareholder value)
- Changing Global Markets
- Circular economy
- Sharing economy
- Internet of things (IoT)
- Renewable energy at tipping point
- Collaboration recognised as accelerators
- Infrastructure Scale and purpose

But the conversation need to mature and widen Beyond business relationships to drive change

Creating even greater demand for sustainability



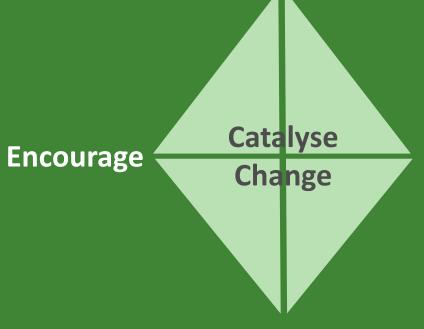




Remove Barriers; Provide Facilities; Provide viable alternatives; Educate/Train/Provide Skills; **Provide capacity**;

Enable

Tax system
Grants
Recognition
Fines/enforcement



Engage

Co-production Fora; Media

Exemplify

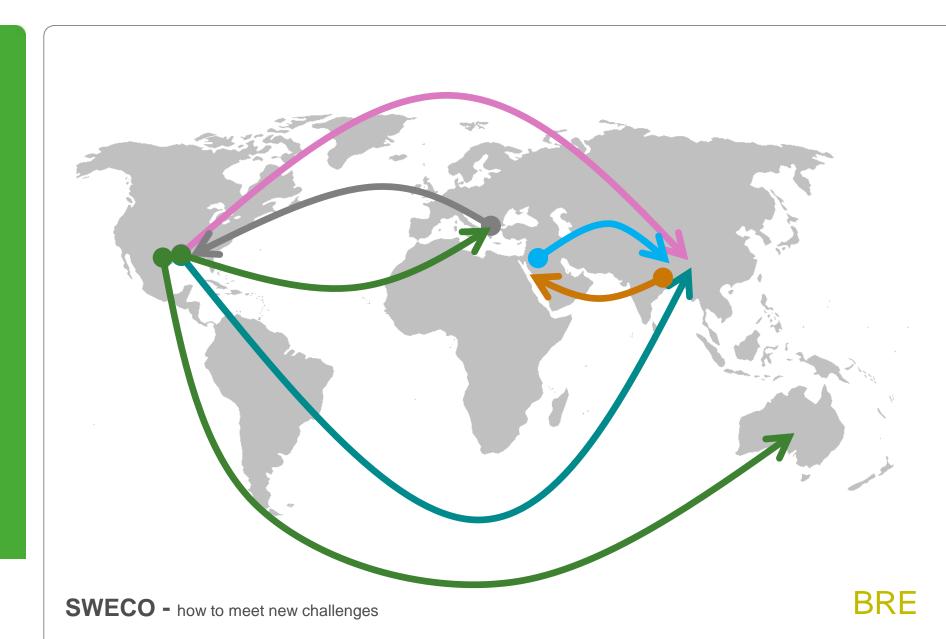
Leading by example; Achieving consistency;

The Pace of Change





Flow of investment in the Real estate market





- Rebalancing Our Energy infrastructure
- De-carbonising transport
- Creating Energy efficient homes

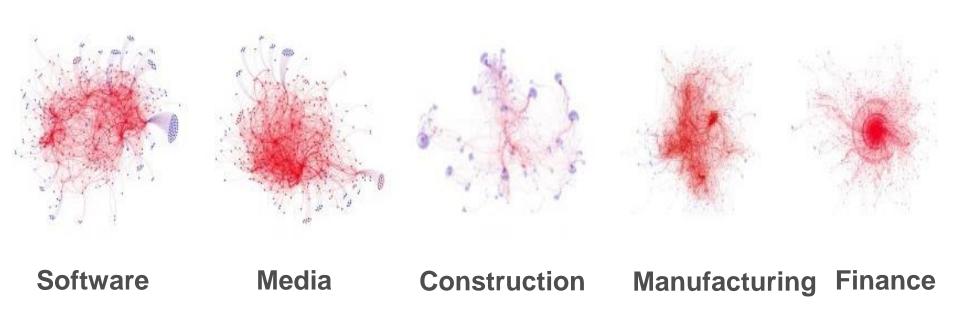




- Regulation vs voluntary standards
- Achieving industry transformation;
- Achieving low cost and low impact;
- Retrofit of the existing building stock;
- A greater focus on health and well-being;

- More **integrated** working;
- Faster innovation cycles;
- Reduced costs of construction, and hence new business opportunities;
- Turning data into knowledge;

No Information flow in various sectors





Industry transformation in both performance and sustainability means a step change, from **goods to service**.

To experience.....

From a BREEAM perspective

- (Ultra) transparency;
- Brands in the Firing line (Response = Beyond shareholder value)
- Changing Global Markets
- Circular economy
- Sharing economy
- Internet of things (IoT)
- Renewable energy at tipping point
- Collaboration recognised as accelerators
- Infrastructure Scale and purpose

Responding to IoT, and turning knowledge in to data

BREEAM live — Live data streaming BREEAM API's - GRESB, CDP, Measurable

Responding to Performance Gap

BREEAM Verification stage

Responding to Ultra transparency

BREEAM Crosswalks - WELL, 3star,

Fitwell

Consumer cantered standard

Ethical labour standard -

https://www.bing.com/videos/search?q=bre+ethical+sourcing+standard&&view=detail&mid=46 2B9AD9B3CBAE535C76462B9AD9B3CBAE535C76&&FORM=VRDGAR

Responding to Infrastructure - Scale and purpose

BREEAM Infrastructure/CEEQUAL

Responding to Collaboration recognised as accelerators

Research on health and well being

https://www.youtube.com/watch?v=NHyuSG8vZYY

biophilic design

Healthy Cities index



- Largest accommodation provider owns no real estate (Airbnb);
- Largest phone companies own no teleco infra (skype, WeChat);
- World's most valuable retailer has no inventory (Alibaba);
- Most popular media owner creates no content (Facebook);
- World's largest Movie house owns no cinemas (Netflix);
- Largest software vendors don't write the apps (Apple and Google);

What is the new business model for Construction

Buildings as power stations (net energy positive), buildings we recycle, buildings that Adapt to us, buildings and cities that make us healthy





And lets not forget



Thank you

Martin Townsend

Email: TownsendM@BRE.CO.UK