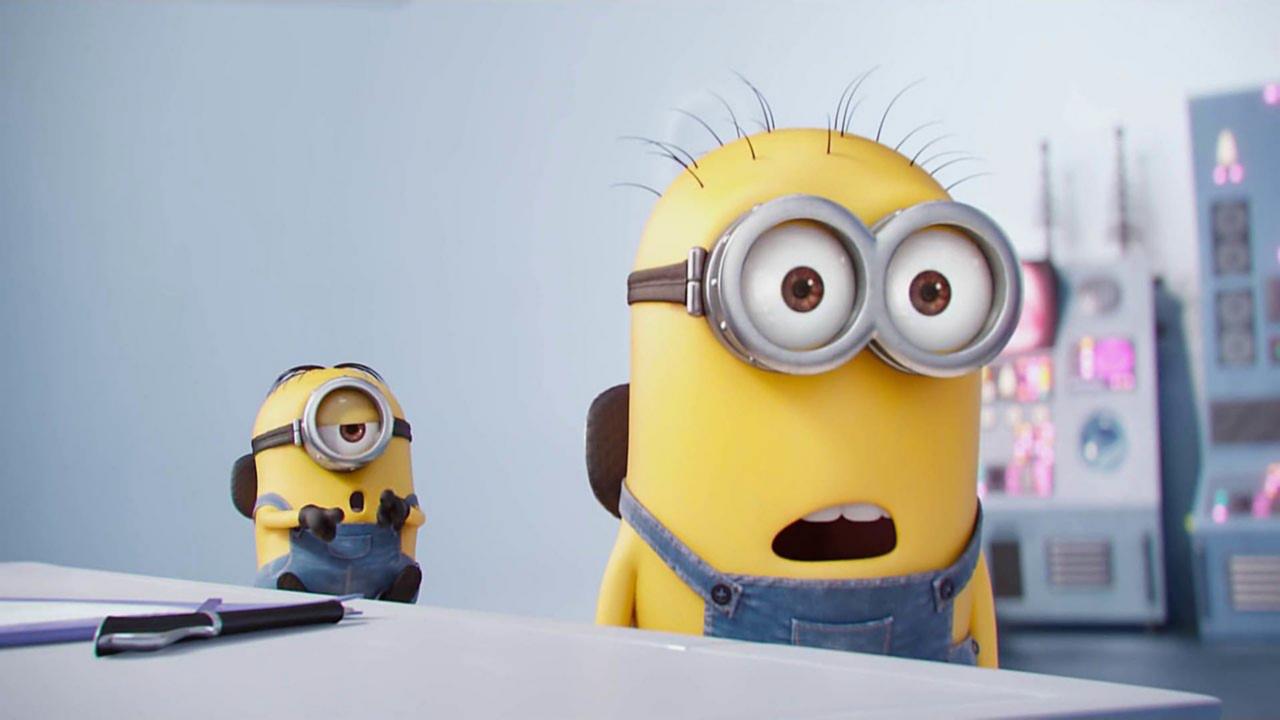
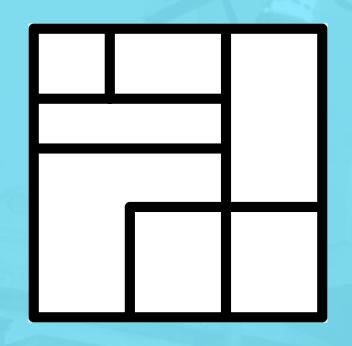


ACI's Nuclear Power Plant Life Management & Extension Summit

> Claudine Robson Partner



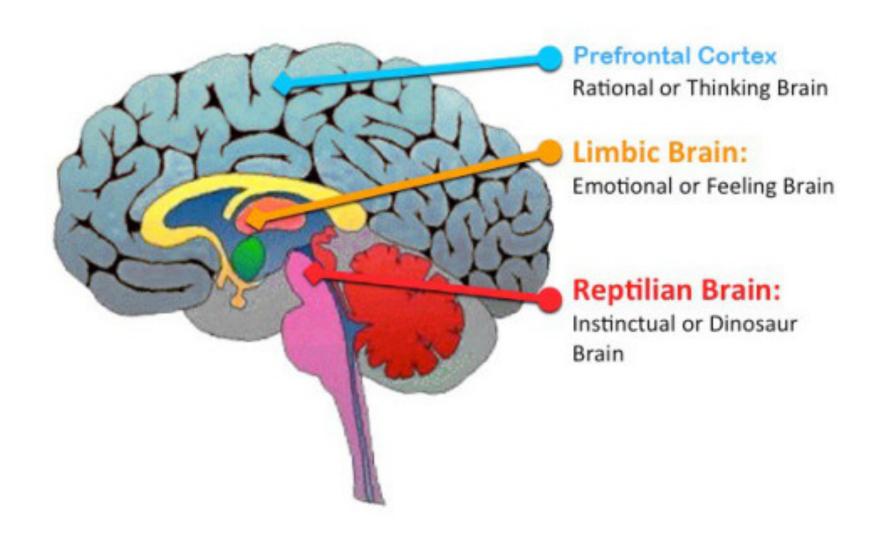




ONE SIZE DOES NOT FIT ALL...



EVOLUTION OF YOUR BRAIN





CORTISOL

ALARM



ACTION

SELFISH CHEMICALS

ENDORPHINS

Masks pain

Released at times of stress

Gives us energy

Highly addictive!

DOPAMINE

Sense of accomplishment and reward

Released on retweet or like

Helps us find, build and do things

Highly addictive!

SOCIAL CHEMICALS

SEROTONIN

Affirms when liked – pride

Aces Dopamine – we know we're great, we don't need to keep checking

Helps us work for those we feel responsible for

Is THE leadership chemical!

OXYTOCIN

Enables us to feel friendship, love or deep trust

Binds us in groups, teams or families

Drives empathy and generosity

Makes us crave to be in a circle of safety

SURVIVAL CHEMICALS

CORTISOL

Our early warning system, it puts us on high alert

Primitive, our body still responds to threat is if it were life threatening

Inhibits the release of Oxytocin

Is lethal.

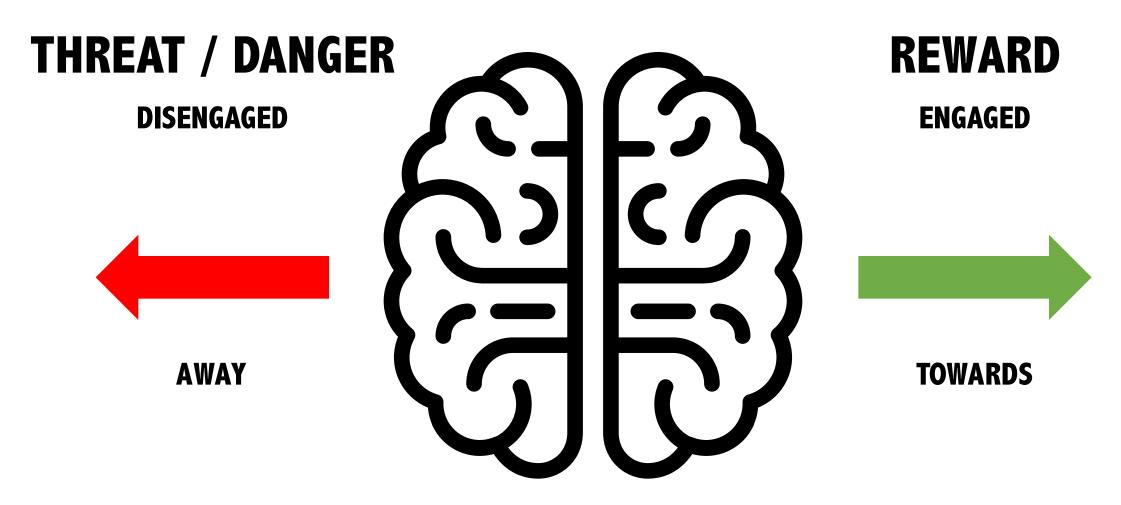
ADRENALINE

Fight or Flight

Shuts down rational thought and problem solving

Re-directs energy from the brain to the muscles

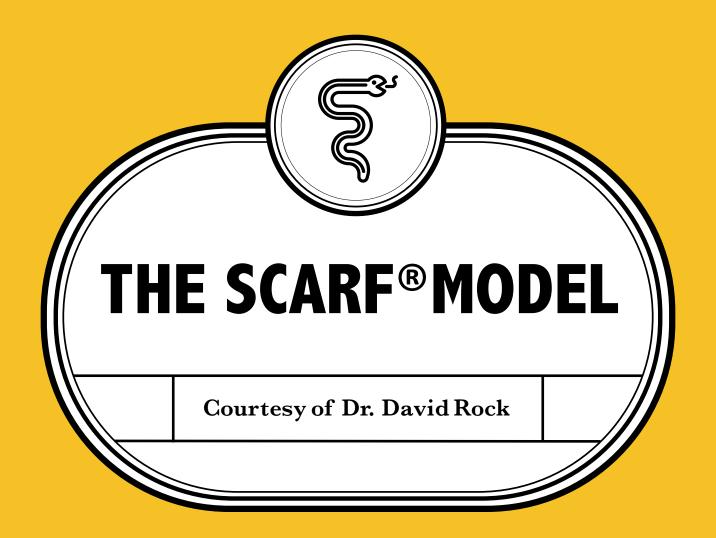
When frequently and regularly released into the body without real danger, can cause heart damage, insomnia and anxiety



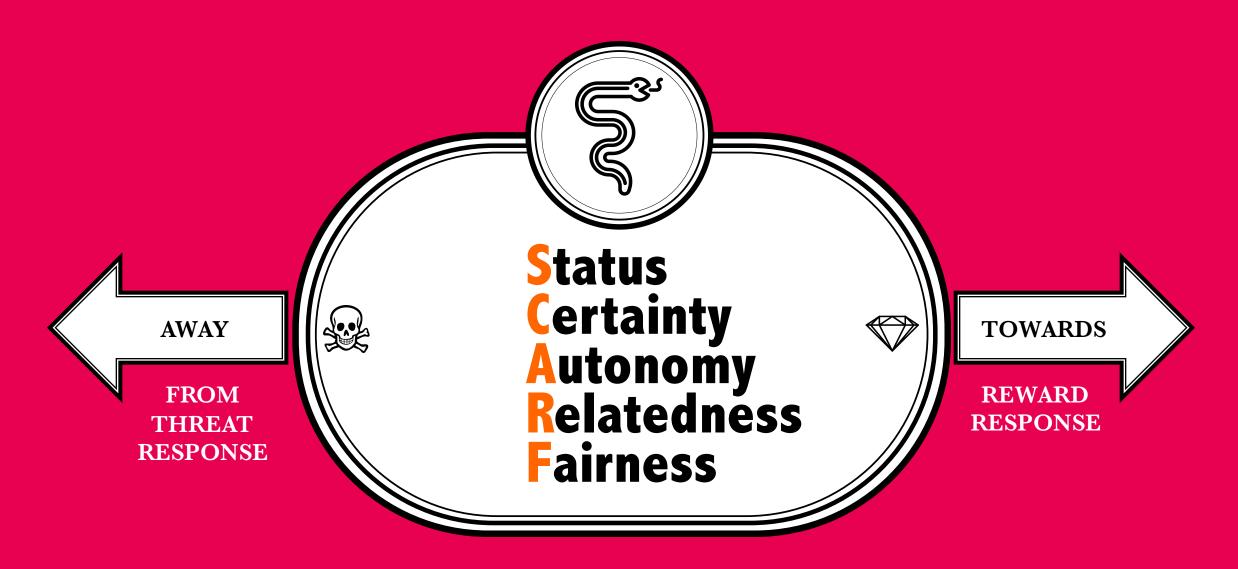
To get the best out of any person or situation, reduce threat (cortisol and adrenaline)

Increase trust, collectivism, share a common purpose

Introduce recognition and non-financial reward.



SOCIAL THREATS AND REWARDS



SCARF — STATUS

Status is about relative importance, 'pecking order' and seniority

Status is the most significant determinant of human longevity and health, even when accounting for education and income A threat response
can be easily
triggered by such
conventional workplace
practices as performance
reviews and
"feedback"
conversations

Threat and reward responses related to changes in status can be triggered "even when the stakes are meaningless"

SCARF — CERTAINTY



The brain's seeks to conserve energy, because of the limited capacity of the prefrontal cortex



We resist mental effort
because we're
preserving resources in
case we need them
urgently



When we're acting with sufficient certainty, our brain senses patterns, successfully predicts next steps and operates much more efficiently



When perceived uncertainty gets out of hand, people panic and make bad decisions

SCARF — AUTONOMY — CONTROL

Our perception of our ability to exert control over our environment has a substantial effect on our response to stress factors in our lives

When we feel more in control we're much more resistant to stress

Control and certainty are intertwined - more control yields a greater sense of certainty about the future

Even where control is substantially limited by organisational constraints, meaningful perceptions of control can be generated by small gestures by leaders

SCARF — RELATEDNESS

The ability to feel trust and empathy about others depends on whether we feel they are part of the same group

When a new person is regarded as different, the information travels along neural pathways that are associated with uncomfortable feelings Once people begin to make a stronger social connection, their brains begin to secrete a hormone that permit us to perceive someone as "just like us"

So it's important to interact in ways that will surface points of similarity, strengthen social connections and increase a sense of relatedness

SCARF — FAIRNESS

The perception that an event has been unfair generates a strong response in the brain, stirring hostility and undermining trust

In organisations, the perception of unfairness creates an environment in which trust and collaboration cannot flourish

People who perceive others as unfair don't feel empathy for their pain, and in some instances, will feel rewarded when such individuals are punished

Like status, perceptions of fairness are relative



SO WHAT?!



New generation of workers – Generation X, Y, Z

Investing in the right skills

Impact of closures on people – Magnox learnings



EXTERNAL INFLUENCES

Delete Distort Generalise



OUR SENSES

Sight Touch

Taste

Smell

Hear

OUR FILTERS

State

Experience

Values





GENERATION XYZ



CHARACTERISTICS	GENERATION X 1964 – 80	GENERATION Y 1980 – 1994	GENERATION Z 1994 TO 2010'ISH
Traits / Values	 Fear of rejection Subjective Creative Struggle with rules Work to live Family orientated. 	 Like to be loved Family-orientated Team players Ambitious Communicators Tech/web savvy. 	 Cynical Private Entrepreneurial Multi-tasking Hyper-aware Technologically reliant
View on their careers	Most are experienced as service and knowledge workers. Focus more on their 'professional ladder' of employability rather than the 'corporate ladder'.	Likely to only be experienced as service and knowledge workers. They do not see their career in the form of a ladder – more of a 'scramble net'.	Too early to tell. Largely dismissive of formal education/knowledge in favour of self-directed learning and 'Googling' Independent self-starters.

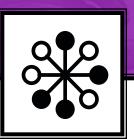


GENERATION XYZ



David Rock's SCARF Model	Generation X 1964 — 80	Generation Y 1980 — 1994	Generation Z 1994 to 2010'ish
S TATUS	Symbols, titles, visible 'badges' of honour. Want tangible reward linked to effort.	Responsibility and peer recognition. Opportunity to improve and grow. Need fulfilment.	Freedom and trust.
C ERTAINTY	Very important – need to know they are safe.	Entitled. High self-esteem would take any uncertainty as a personal criticism.	Don't expect any guarantees or promises, wouldn't believe them if they were offered.
A UTONOMY	Like to be left alone to get on with minimal interference. Cynical of rules for the sake of rules.	Like process and choice. The choices can be restricted and there is always the choice to leave.	Crave it. If it's not offered it will be taken and / or created / found. Short concentration spans.
R ELATEDNESS	Closely linked to Status. Need to be seen with the high and the mighty. Susceptible to Group Think.	Like to be liked so will tend to go with the flow. Any exclusions will be taken very personally.	Geek chic – it's OK to be different. It's their right to be heard even when being outspoken
F AIRNESS	Acknowledge that 'Life's not Fair', maybe they won't always play fair either.	Can be delusional. Believe they are super special and what is fair might be perceived as unfair. Will litigate.	Very skeptical of organised business and authority figures, expect unfairness.

EUROPE **EUROPE-WIDE JOBS MAP** Civil nuclear industry supports 780,000 jobs in Europe \$8,110 T 13,563 T 20,367 1,500 \$2,850 \$4,850 BELGIUM THE NETHERLANDS 14,773 18,852 15,000 12,627 7,000 12,000 BULGARIA SLOVAKIA \$3,750 \$8,550 \$14,500 1750 1950 11.600 CZECH REPUBLIC SLOVENIA \$3,300 \$6,300 \$10,700 18,472 116,000 127,466 FINLAND 125,000 1240,000 1410,000 94,200 T8,000 13,500 UA FRANCE SWEDEN 19,000 \$35,000 \$59,500 12,000 \$4,000 \$6,500 SWITZERLAND GERMANY \$3,865 \$5,000 \$\frac{1}{10}\$8,500 933,413 163,484 1107,923 HUNGARY UNITED KINGDOM Disclaimer: The figures indicated on the jobs map were provided by FORATOM members. This map is designed to give an overview of the number of jobs in and supported by the European civil nuclear industry, which encompasses a diverse and wide range of companies and activities. The estimates are based on the multiplication factors used by Pwc in its study entitled "Le poids socio-economique de l'Estatus de la companie de 13.542 9 6.730 9 11.440 \$35.000 Pec.500 P113.000 ROMANIA UKRAINE Operational electricity production nuclear reactors **FORATOM** www.foratom.org



GRADUATE, MSc AND CPD COURSES













+ 50 Universities, Colleges and Independent Training Providers Offering in the region of 425 programmes of Nuclear specific education



THE CHINK IN OUR NUCLEAR ARMOR

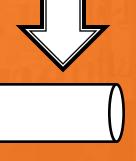


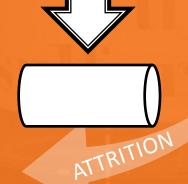
Director /
Divisional
Director /
Divisional
Leader

Head of Function programme Leader Technical Specialist Project Leader Team Leader Workstream
Lead
Professional
Accreditation

Reduced
Managerial
input
Chartered
Qualified

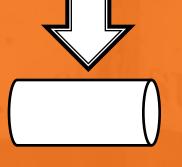
New Recruits: Completed Post Graduate Training





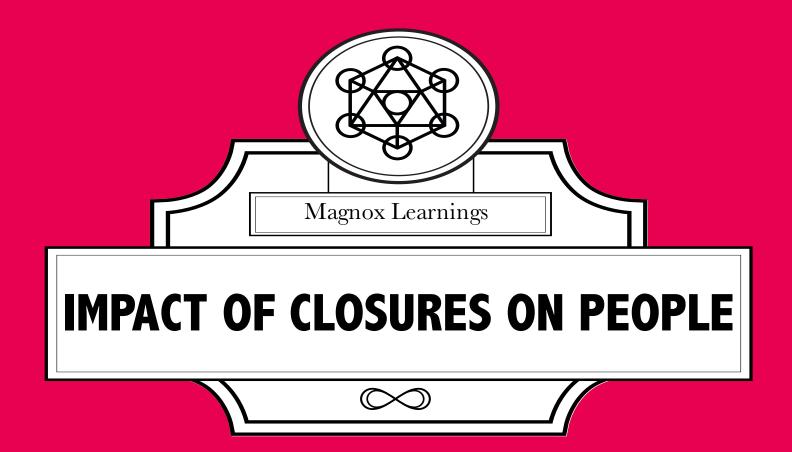




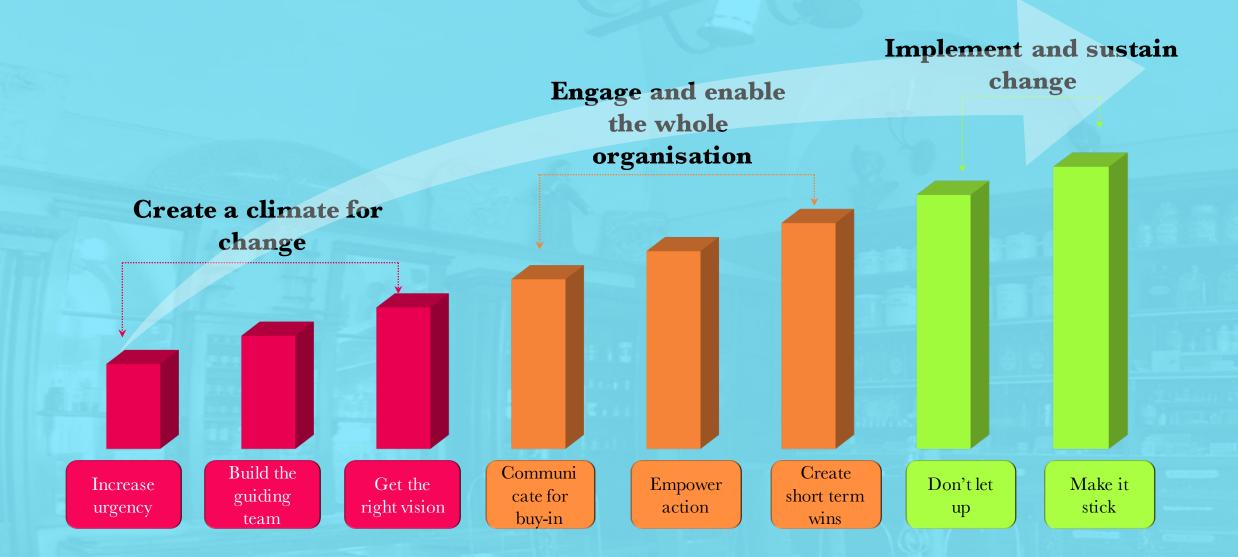




TALENT PIPELINE



CONVENTIONAL KOTTER CHANGE



CLOSURE CHANGE

UNFREEZE

CHANGE

RE-FREEZE

- Determine what needs to change
- Ensure there is STRONG support
- Create the need for change
- Manage and understand the doubts and concerns

- Communicate often
- Dispel rumors
- Empower action
- Involve people in the process

- Anchor the changes into the organisation
- Develop ways to sustain the change
- Provide support and training
- Celebrate success

THE PUZZLE

STATUS – reinforce
how important every
single person is to the
successful and safe
closure of the plant.
Communicate in a
generationally
sensitive manner

aut the choices
out the choices
people have, give
them some control
over what becomes
of them and when.
Let them have
control over their
future

plan and plan some
more. Share those plans
with the people they
affect. Show them that
you've thought of every
eventuality and have
catered for their well
being.

RELATEDNESS -

Create a single unitedness.

"we're all in this together"
"one team"

Eliminate any unsettlers

FAIRNESS -

Publicise every
decision possible.
Manage the
inevitable dramas by
referencing back to
the terms of the
agreement

People will inevitably feel threatened.

Reduce threat - increase trust, collectivism, share a common purpose

Introduce recognition and non-financial reward.

FINAL NOTE:

Manage your stakeholders – all of them!

UK Government Enterprise Bill 2015