Process Safety Our Story







Contracted Electricity



\$2.9b*

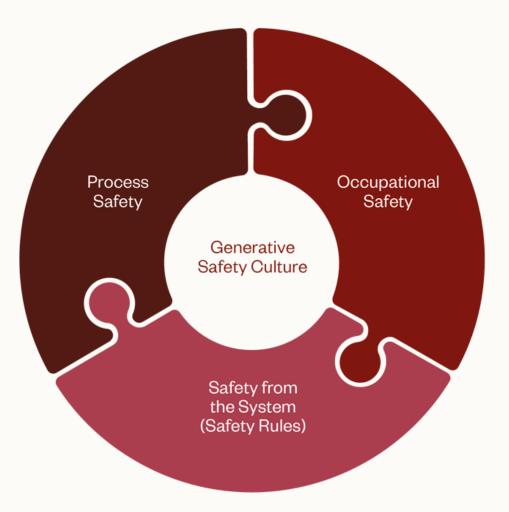
Contracted Electricity Sales-

82% Renewable 22 **Franchises Dist. Networks** LPG **70Kt** Sales

02

* As at 30 June 2016

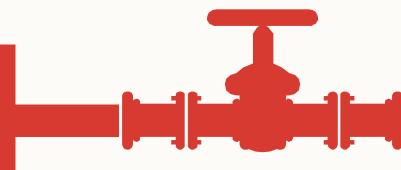
Safety involves 3 key elements



An integrated HSE Management system

What we mean by Process Safety

Keeping the hazards inside the equipment, so we do no harm



electricity in the wires

steam or gas in the pipes

water behind the dam

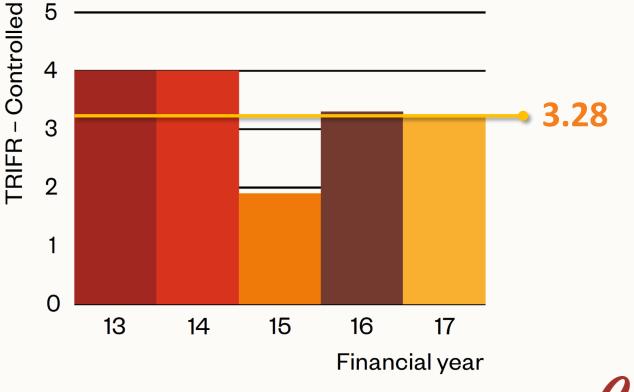


Our journey started back in 2012





Our Occupational safety incident record





What about process safety - could we be sure?





What we did

Set Safety Objectives

Plant

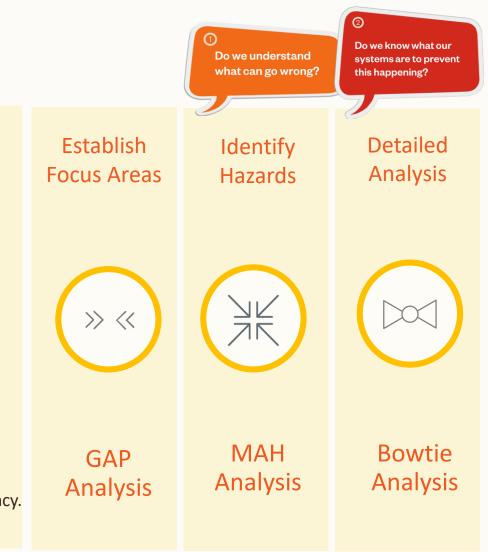
- Enhanced plant reliability.
- Safe operations.
- Well maintained risks.

Process

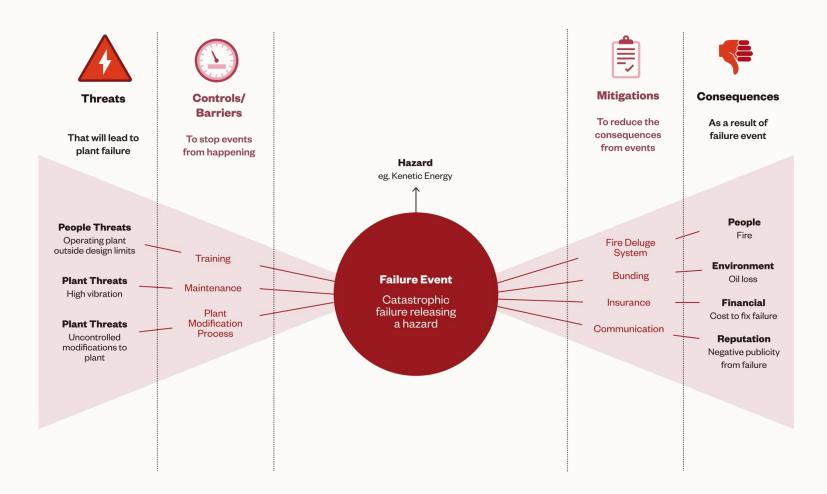
- Improved process transparency.
- Common processes and practices.
- Easy to find/use processes & systems.
- Sustainable processes & systems.

People

- Senior management visibility.
- Increased confidence and assurance.
- Embedded knowledge, skills & competency.
- Embedded process safety culture.







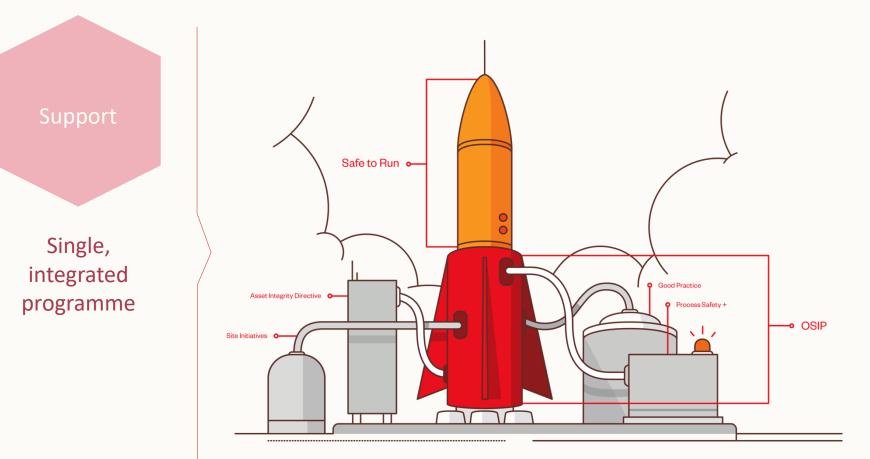
We used Bowties to visualise our major hazards

The glue for our improvement



Well-managed change



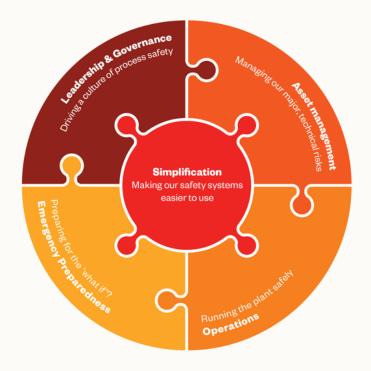






OSIP's Focus Areas

Improving our process safety & smashing complexity



Workstreams

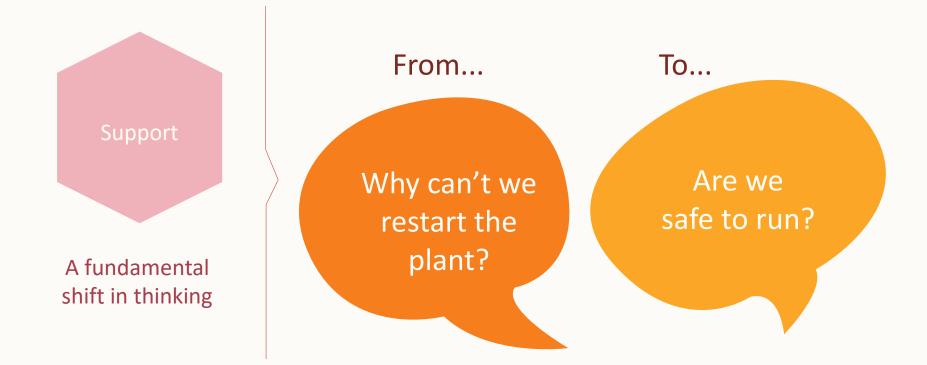
Leadership	Asset	Operations	Emergency	Simplification
& Governance	Management	6. Operations	Preparedness	9. Integrated HSE
1. Process Safety	2. Technical Risk	Management	8. Emergency	Management
Governance	Management	7. Staff Competence	Preparedness	System and
	3. Safety Critical	4. Alarm Instrument		Documentation
	Systems	Management		Systems
	5. Maintenance			
	Management			



How we made it meaningful We gave it a name that summed up what we were aiming for... 'Safe to Run'

It helped us position process safety as a way of thinking.





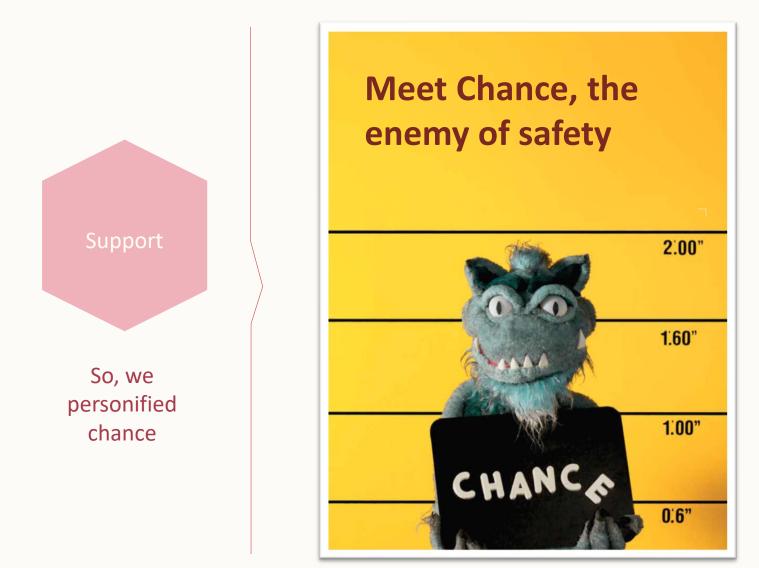


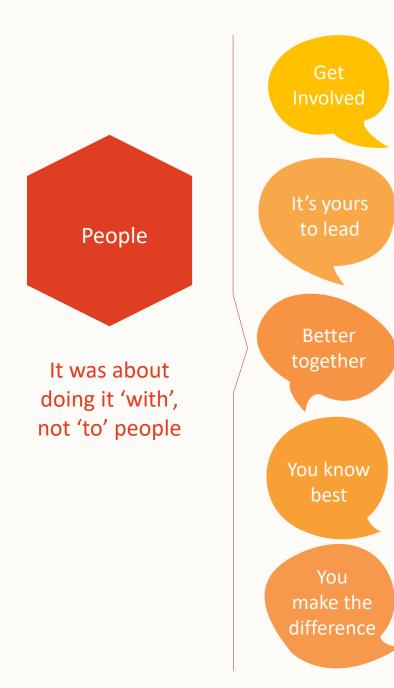


We asked our people to... **'Leave nothing to chance'**

Then brought this to life!







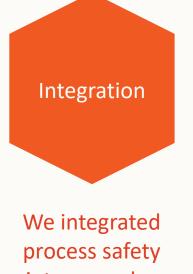
We enabled as many people as possible to be part of the improvement.

We enlisted 100 Subject Matter Experts from across the business.

We emphasised the importance of collective intelligence.

We trusted our people to come up with solutions.

We showed people how they could make a real difference.



into everyday business



Safety is how we do business round here







Commitment

We empowered senior leaders to support, rather than direct, change



Visible leadership **Operations Gathering**





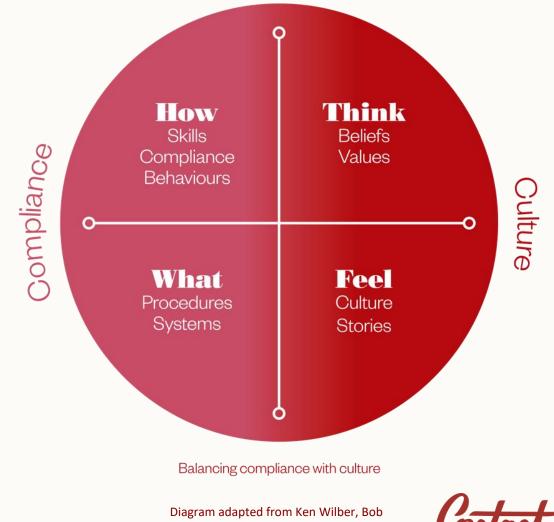




Generating success

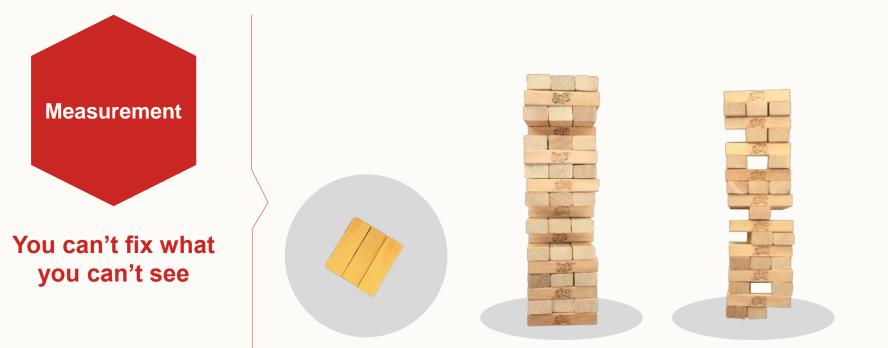


supports people to try new things and fail safely



Anderson, Eric Klein, Jim Stuart

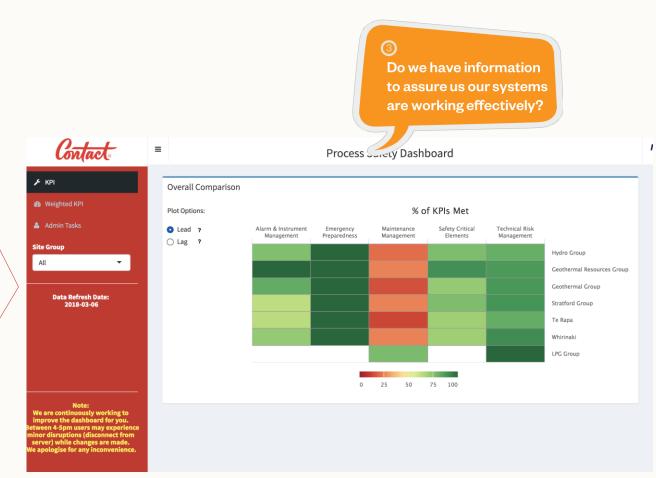








We wanted a clearer view of the performance of all our assets





Red is good, it helps build a picture of where to prioritise resources



Dennis Barnes Chief Executive Officer

What we learned

It starts from the top	 Process safety needs to be of corporate importance. Executive & Management buy-in/involvement is key.
You need the right info	 Benchmark to understand current state. You can't fix what you can't see.
It has to be integrated	 Integrate process safety with other safety disciplines. Make safety 'how we do things round here'.
lt's about people	 Enable people to be part of the improvement. Enable leaders to support, rather than direct, change. Show people where they make the real difference.

What we learned

Engage all the way	 There's more to it than processes and procedures. Engage everyone in the change.
Make it simple	 Simple to use and easy to find processes & procedures. Keep the language simple.
Don't wait 'til it's perfect	 Aim for perfection, but be practical about it. 80/20.
Bring it to life for people	 Use imagery and catchy metaphors. Personify it.

Where it's led us

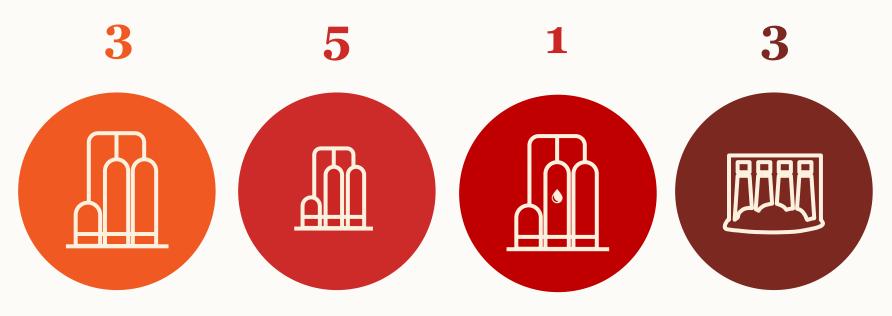
Process Safety has been a catalyst for broader improvements across Contact:

- culture
- leadership
- breaking down siloes
- business process efficiencies
- new ways of working
- transitioning to a culture of 'continuous improvement'.



Thank you





Upper Tier Major Hazard Facilities Lower Tier Major Hazard Facilities Upper Tier Petroleum Production Facility Hydro Dams with a 'High' Potential Impact Classification

