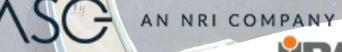
Adelaide connected 2.0 **Innovation:**

Creating Opportunities for SA

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International Institute of Business Analysis







promoting the power











Fragile to Agile



Agility by Design



Toby Evans



Senior Manager Digital Transformation SA Water



With a proven track record in IT project management and program management, Toby is responsible for leading and delivering SA Water's ambitious digital transformation program. Part of the senior leadership group, Toby leads change management and project deployment for digital transformation across SA Water's customer operations. Having already delivered significant business benefits both for customers and efficiencies at SA Water, Toby is fast-tracking SA Water's digital capability to deliver world class services for customers.

SA Water's digital journey

Innovation and customer led design

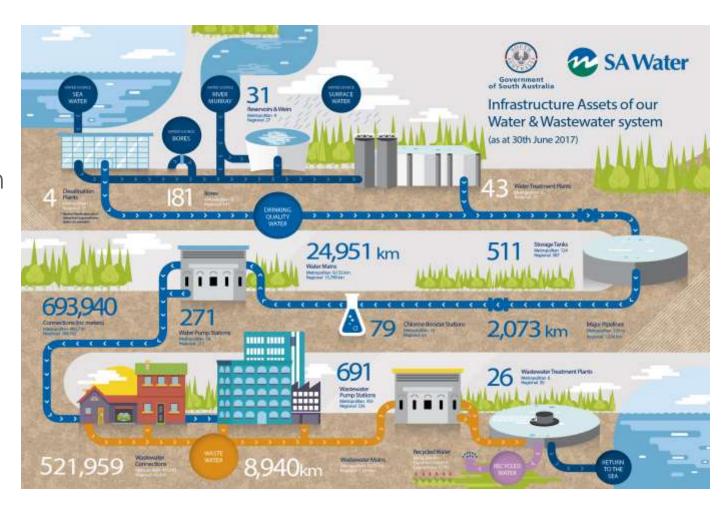
Toby Evans
Snr Mgr Digital Transformation
November 22nd 2018





About SA Water

- Owned by the South Australian Government
- We operate and maintain \$13B worth of assets
- We provide water and wastewater services to 1.7 million customers
- We are a source to tap business
- 20 years as SA Water but our history can be traced back over 150 years.

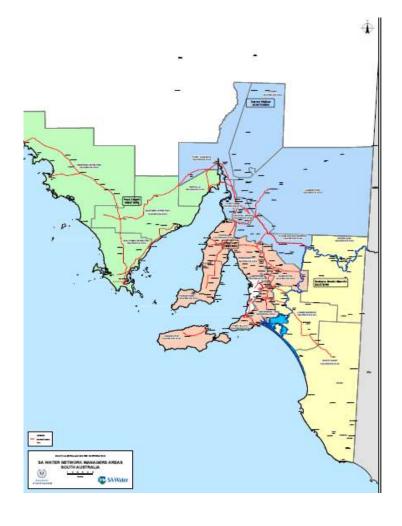




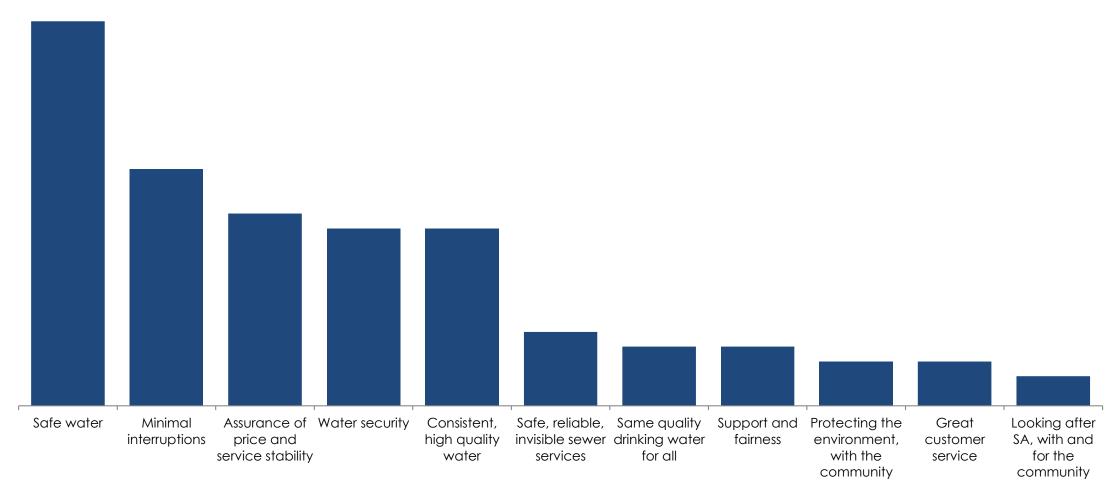


State-wide focus

- We have approx. 1500 employees
- We partner with external providers to help us deliver our services efficiently
- SA Water plays a critical role to enable a thriving state
- More than just water



The main outcomes that customers want us to deliver and their relative importance







SA Water's journey to a digital utility

















In the beginning...

- Development and approval of technology/digital roadmaps 2016 – 2020
- Distributed technology leadership across the business
 Business & Customer led programs
- Establishing mode of delivery (agile, waterfall, hybrid)





The importance of co-design with our customers and employees











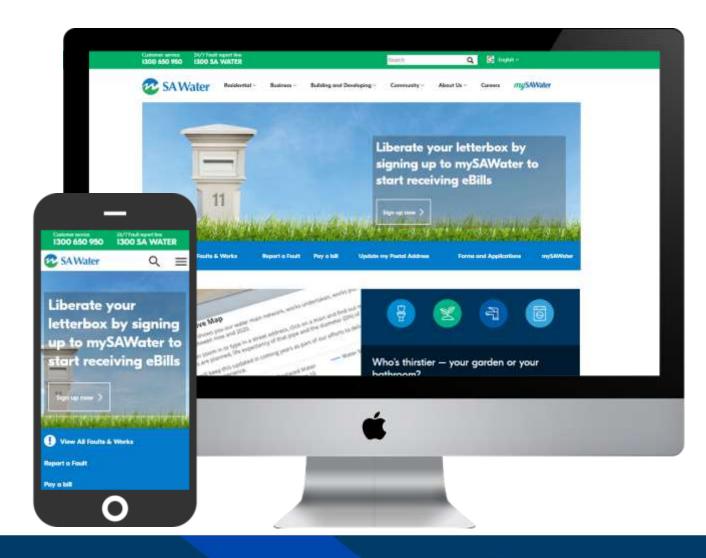
Digital unlocking new services and ways of working





A customer centric website

sawater.com.au

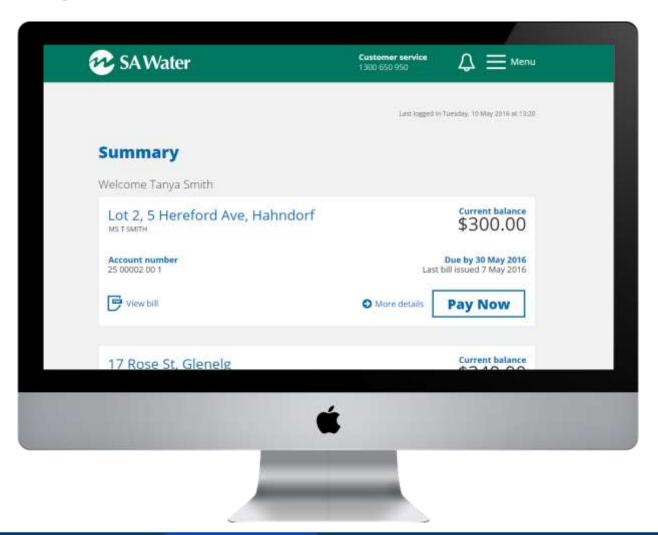






Self-service and ebilling



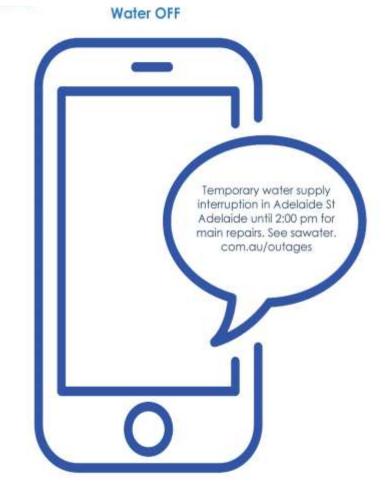






Service Interruption Notifications

Keeping our customers informed

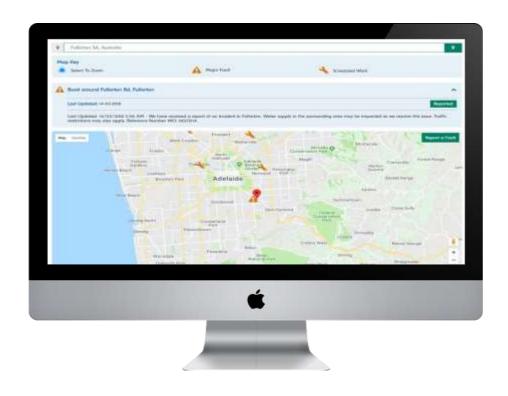








Interactive Fault Map



Interactive water main replacement map









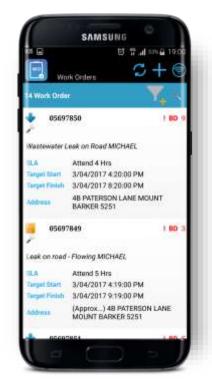


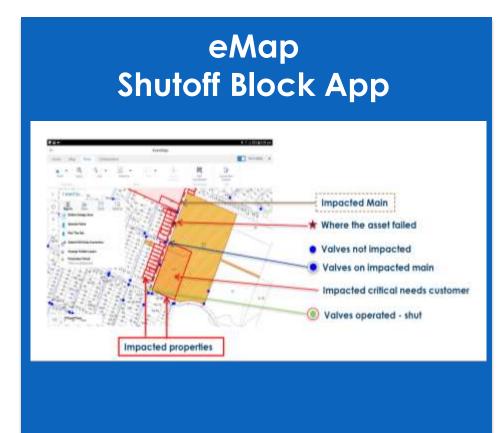


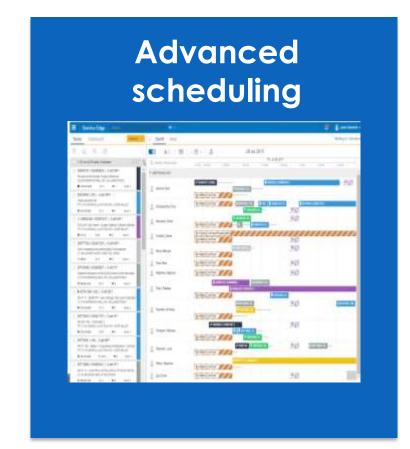
Digital Field Force



Work Order App





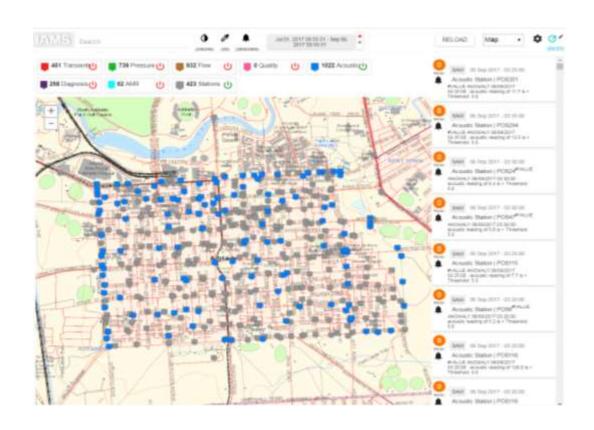






Acoustic

Transient



FESTIVAL DR NORTH TOE BOTANICI RUNDLE RD BARTELS RD MCLAREN ST Logger SOUTHTCE

Overview of acoustic sensors from operational platform

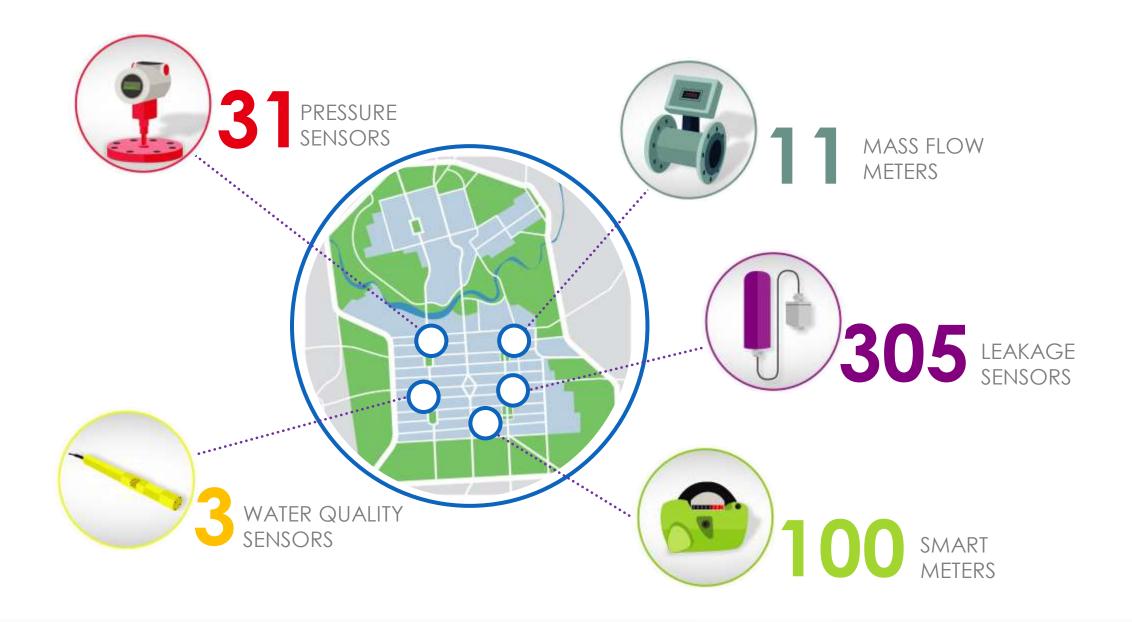
Transient/hydrophone (existing location)

Transient/hydrophone (new/modified location)















An industry driven by technology innovation

- Personalised and proactive customer experiences
- Smart meters
- Al/chat bots
- Omni-channel call centre
- Field Drone Application
- AR Enabled Safety
- Smart Maintenance











Tarnia Conti



Chief Operating Officer Lightforce



Tarnia has 20 years' experience across several industry sectors including defense, development assistance, wholesaling, manufacturing, professional services, renewable energy and retail from large publicly listed corporations to private businesses of varying sizes. Focusing on two key elements (people and processes) Tarnia works from the inside out to increase business capability, performance and innovation by building and leading teams, reviewing business processes and aligning the vision and values of the business to drive positive outcomes in customer experience, profit and team culture.



We instil confidence in our customers to explore, after dark.



FROM

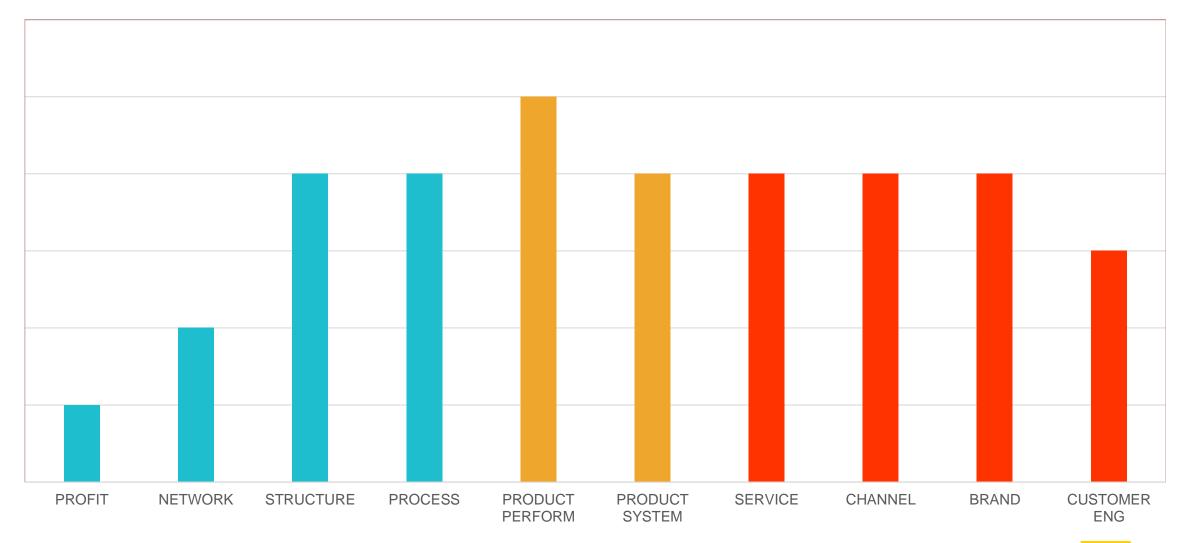
A traditional business that manufacturers and distributes products to automotive and hunting resellers and retailers.

TO

Technology first brand that enables its customers to *select* and master their environment via its range of products and services as a member of a wider group.



LIGHTFORCE 2018





STRUCTURE

Manufacturer

Ability to control goods from manufacturer to customer by developing core business functions – Product Management, Research & Development, Manufacturing. Work with Group engineering capability.

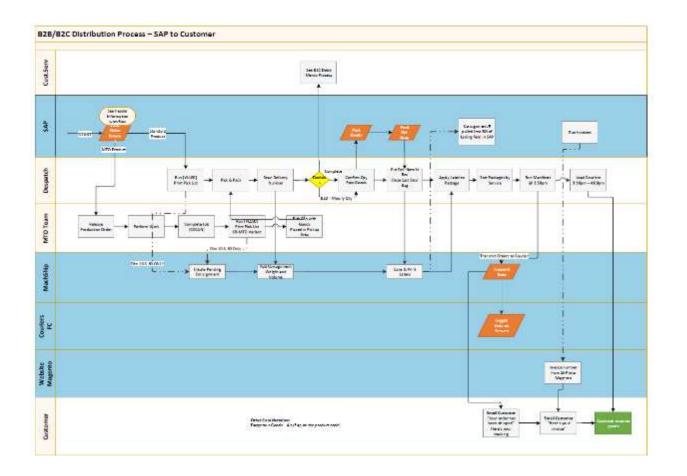
B2B Distribution

Distribution & marketing of the **Groups** products in strategic geographic regions to sporting, outdoor, recreational, military and automotive markets

Digital Retailer Lightforce is available via preferred distributors and direct to consumer (Branded House) online stores



PROCESS







PRODUCT PERFORMANCE







Light FORCE

PRODUCT SYSTEMS





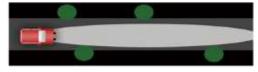
Switch off dash lights on

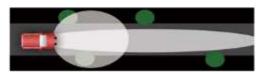
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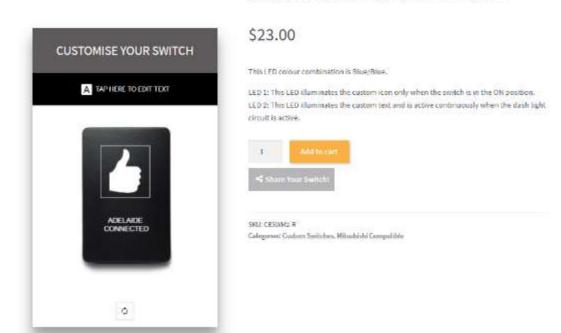




SERVICE



Custom Switch to suit Mitsubishi

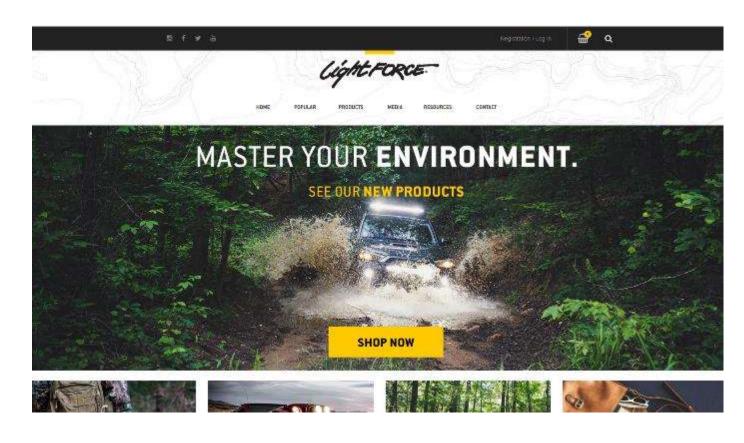






CHANNEL







BRAND





TRUSTED ON ALL 7 CONTINENTS



BRANDING - GROUP PEDIGREE









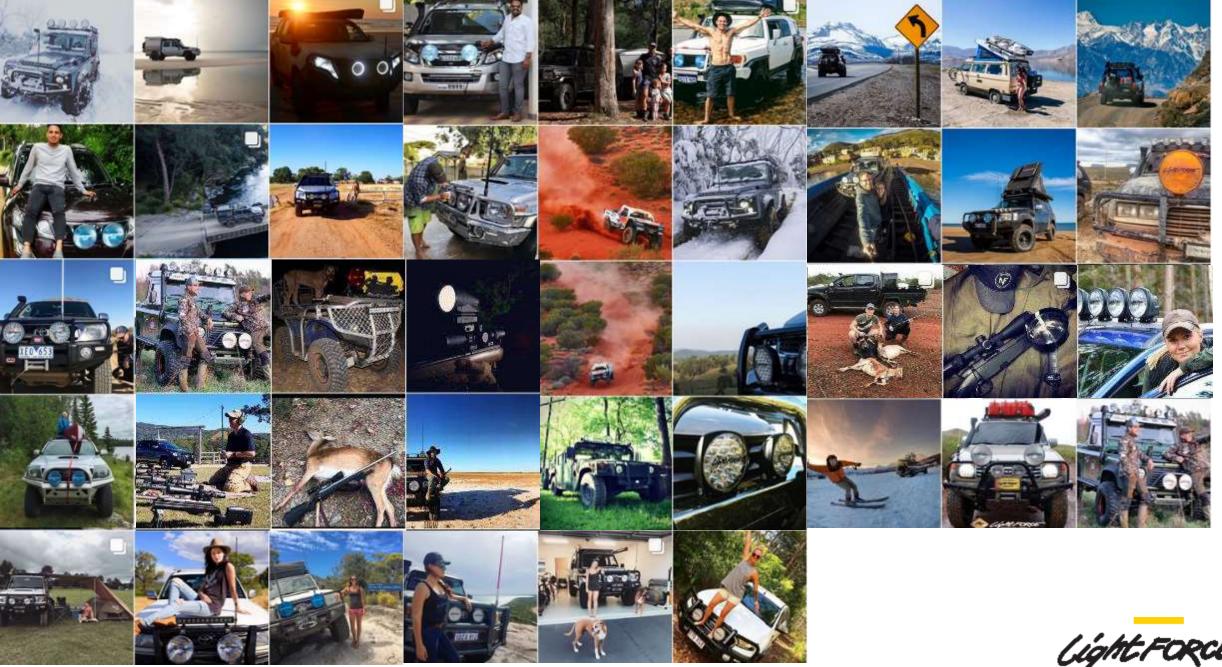












Light FORCE



THANK YOU







Chief Executive Officer TicketyView



Matt has experience in management and strategy across multiple industries; eventually establishing his own development and marketing agency, then adding a digital video production business to his interests, and more recently joining the VR/AR agency TicketyView, as their CEO. With the three business ventures running consecutively, Matt is exposed to innovation and application of technology in a vast array of business sectors.





Innovation in VR/AR

What to use, when to use it, when to let it go

Matt Hill - CEO









Training Applications







Visitor Experience







Multi-site Access

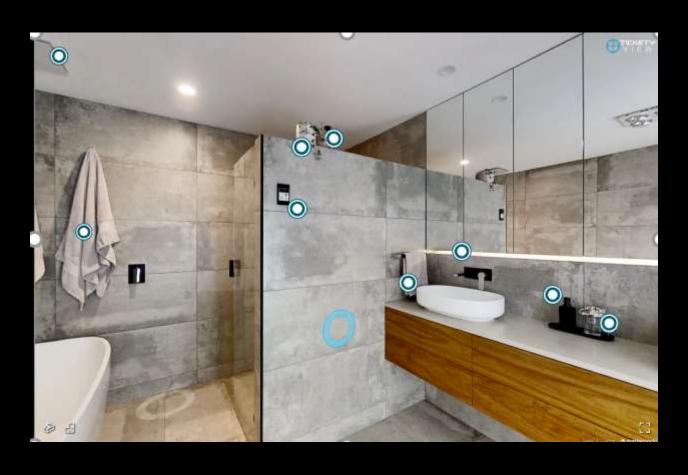






Retail Applications







Off-the-plan Exploration





Jane Brabham



CEO and Founder Innovation Union



Jane is an Australian Innovation leader and is the CEO & Founder of Innovation Union, an Australian – helping organisations solve big problems through innovation tools and methods. An ex Adelaide technology consulting firm founder, she's spent the last 6 years leading innovation across large scale entities such as IAG, UNSW, Kimberly Clarke and Qantas along with board advisory positions on two Australian start ups. A background in Technology and Business Consulting she's seen the fast paced shift in roles and expertise corporates are now looking for from digital / technology experience. She's disrupted herself with new job titles, role descriptions, new ways of working, language, outputs and governance models. Proving personal change is constant and uncomfortable but the only way to succeed.



WHERE DID ALL THE TECHNOLOGY PROJECTS GO?





THEYTRANSFORMED THEMSELVES TO INNOVATION SPRINTS!





WHERE DID ALL THE PROJECT MANAGER'S GO?





THEYTRANSFORMED THEMSELVES INTO INNOVATION LEADERS!



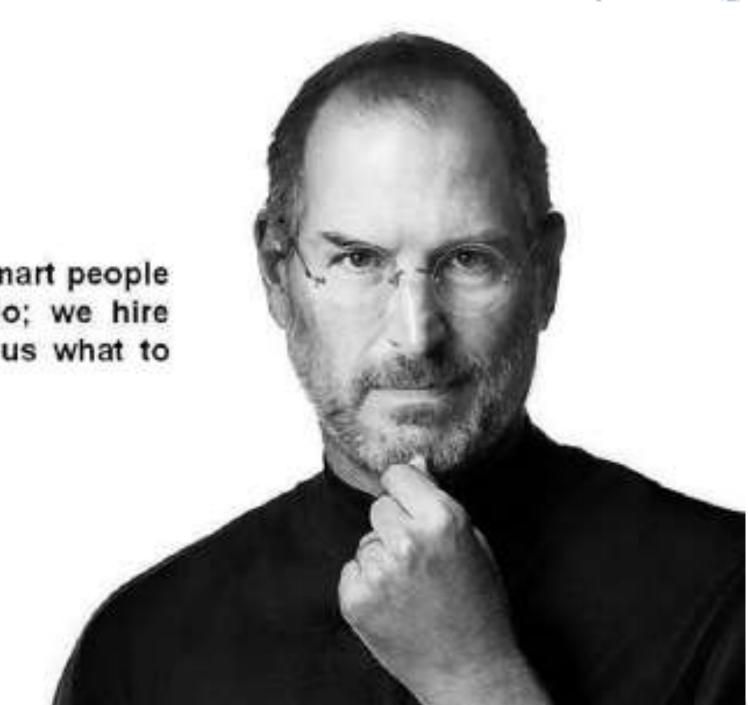


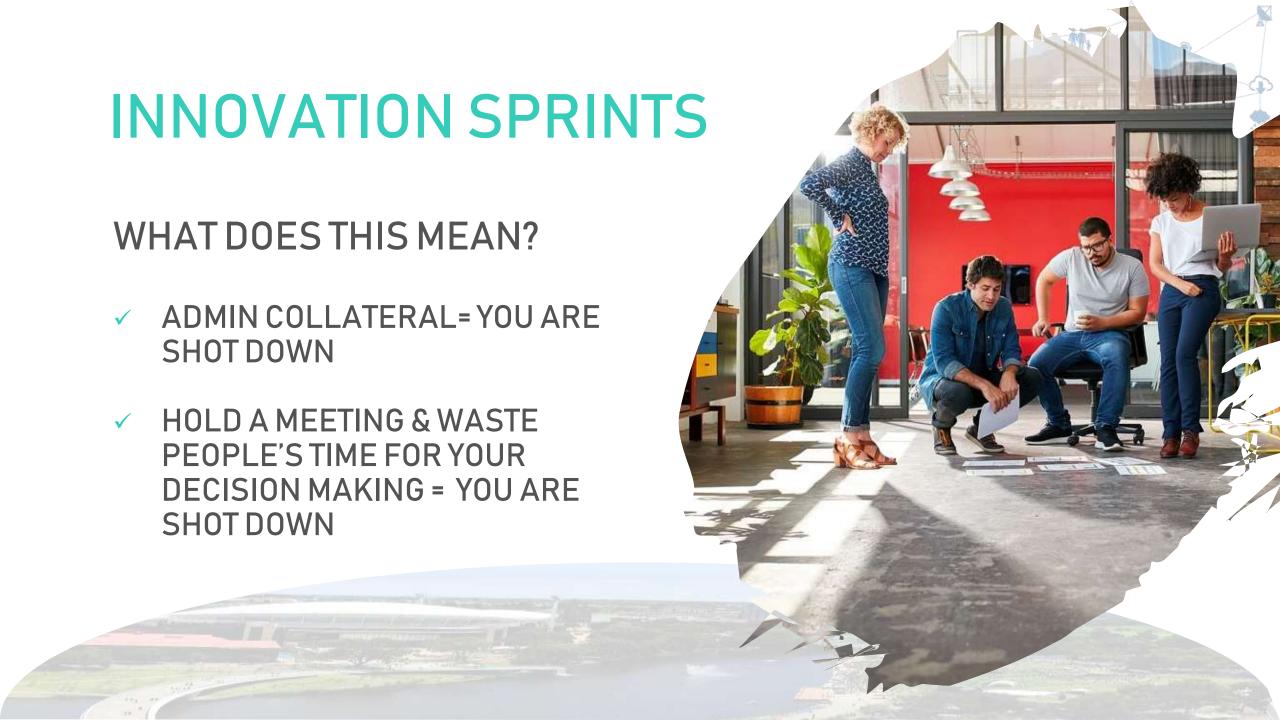




It doesn't make sense to hire smart people and then tell them what to do; we hire smart people so they can tell us what to do.

Steve Jobs









THE PROJECT TEAM TRANSFORMATION



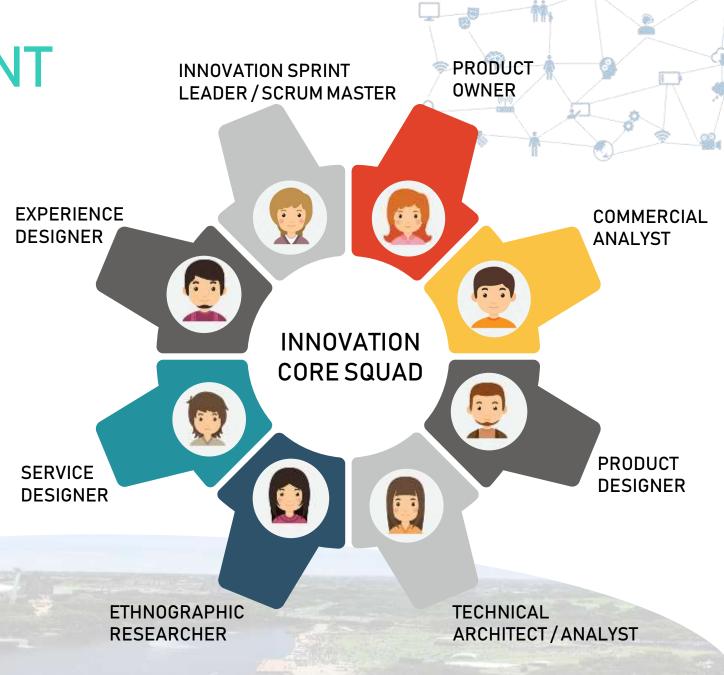
INNOVATION SPRINT

CORE SQUAD

HIGH PREFORMING / SELF ORGANISING

- Know the Sprint's outcomes
- Know what needs to be done
- Know what DOES NOT need to be done
- Know who's best to do what
- Works to the squads flow & speed

No detailed role descriptions

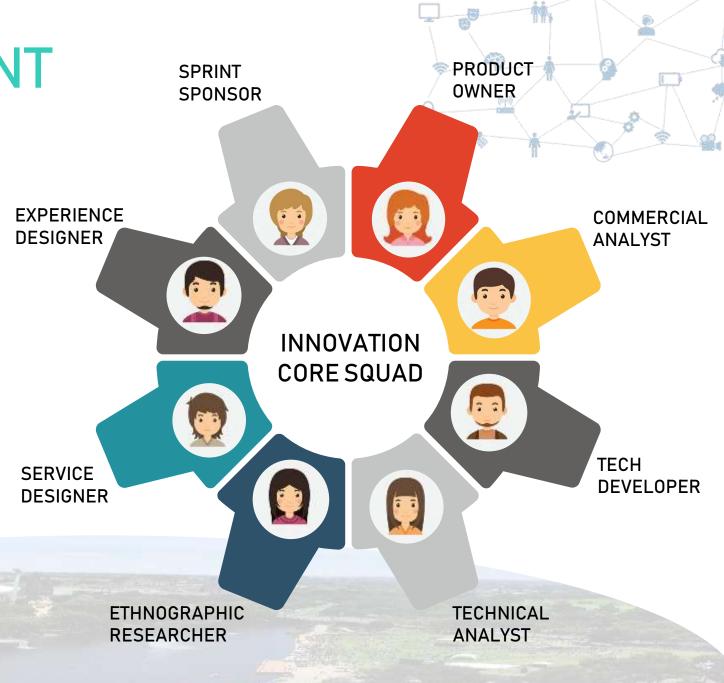


INNOVATION SPRINT

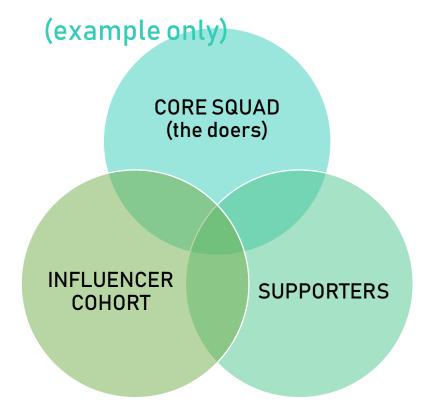
CORE SQUAD

HIGH PREFORMING / SELF ORGANISING

- Daily Standups
 - Issues raided then & there OR taken off line & solved quickly
- No Status Reporting (you attend the showcases if you need to know)
- No documentation UNLESS it adds value to the outcome
- Fortnightly Showcases (your responsibility to attend)



GOVERNANCE & CADENCE





Meets daily / on demand
100% commitment
Does the work (the Innovation Sprint)
Engages with influencers & supporters
Play back findings, research & observation
Encourages news ways of working
Enquiring and curious / showcases the what, why & how

INFLUENCER COHORT

Meets every 2 weeks
Approves & funds the initiative
Provides strategic direction & executive sponsorship
Active participation, oversight & corporate reporting
Cultural change agents
Unblocks issues to allow the squad to move forward quickly

SUPPORTERS

Attends showcases & ad hoc meets
Provides support and info to Core Squad (research, insights etc.)
Shares the initiative with their fellow teams
Encourages news ways of working, adopting new methods
Enquiring and curious

STAKEHOLDER MANAGEMENT Flip the conversation



PRODUCT OWNER



Stakeholder's responsibility to seek out the info they need to know. If their decisions are not effected by the initiative, DON I waste the squad's time.

STAKEHOLDER

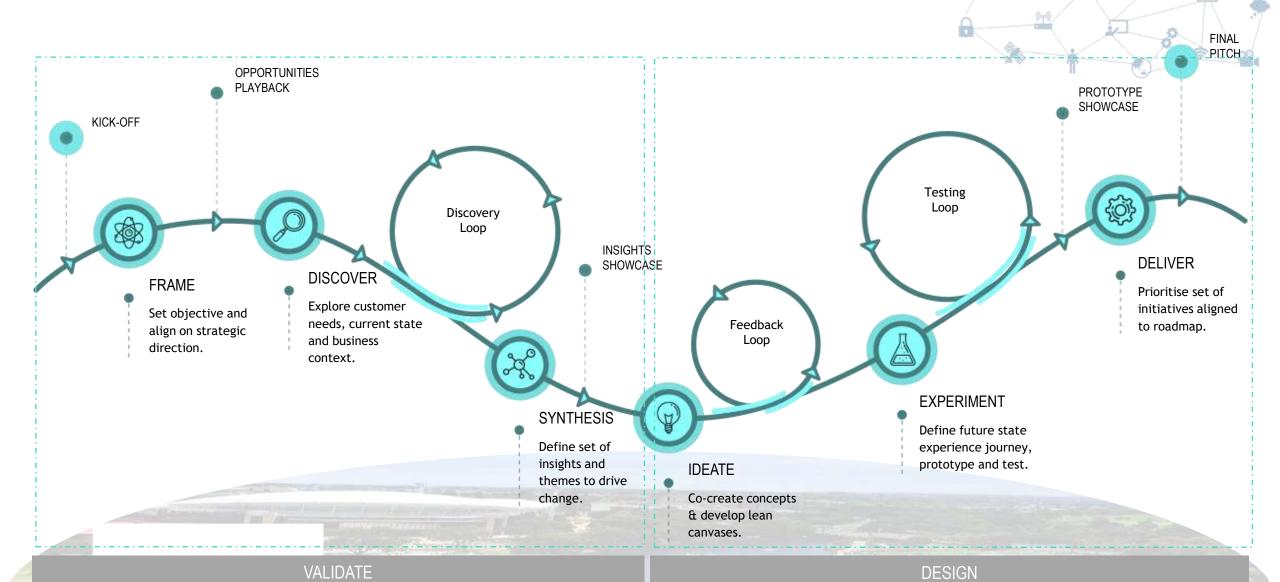




MANAGING THE WORK TRANSFORMATION

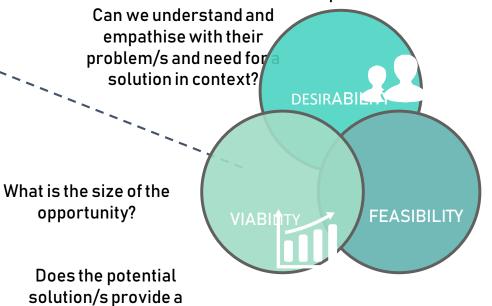


VALIDATE & TEST APPROACH (repeatable)



THE 'DVF' STREAMS

Who are we designing for and what is their desirability for the problem to be solved



Undercovering their motivators, needs, wants & paint points

What are the constraints that need to be overcome (technical, regulatory, legislative etc)?

Is there emerging technology we should be looking to solve this problem?

Can we build for scale and growth?

How do we measure success?

compelling benefit to the

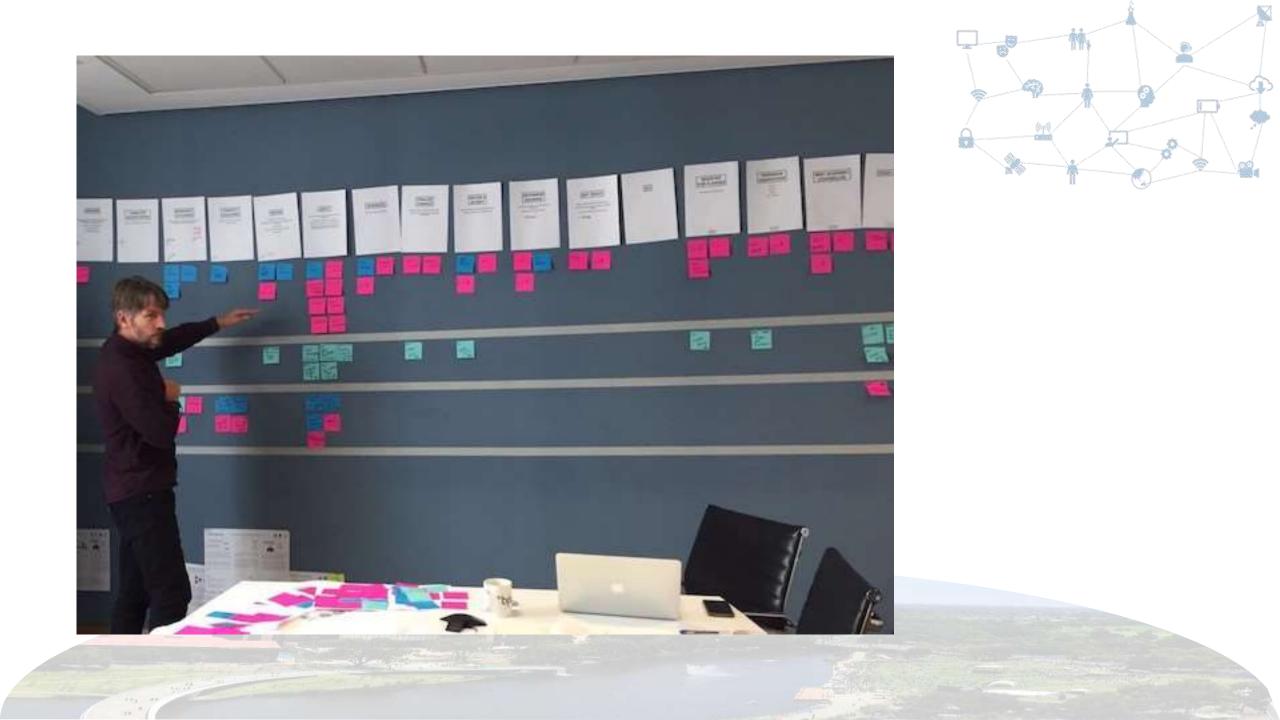
business?



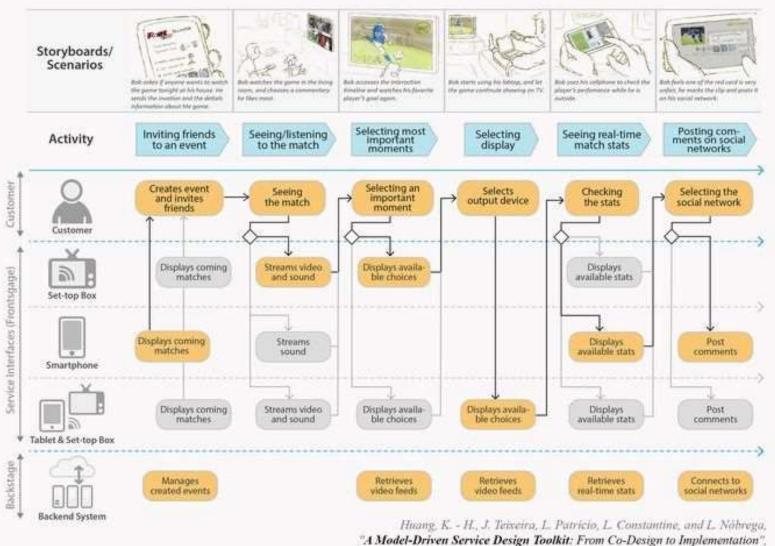


SPRINT ARTIFACTS (examples)



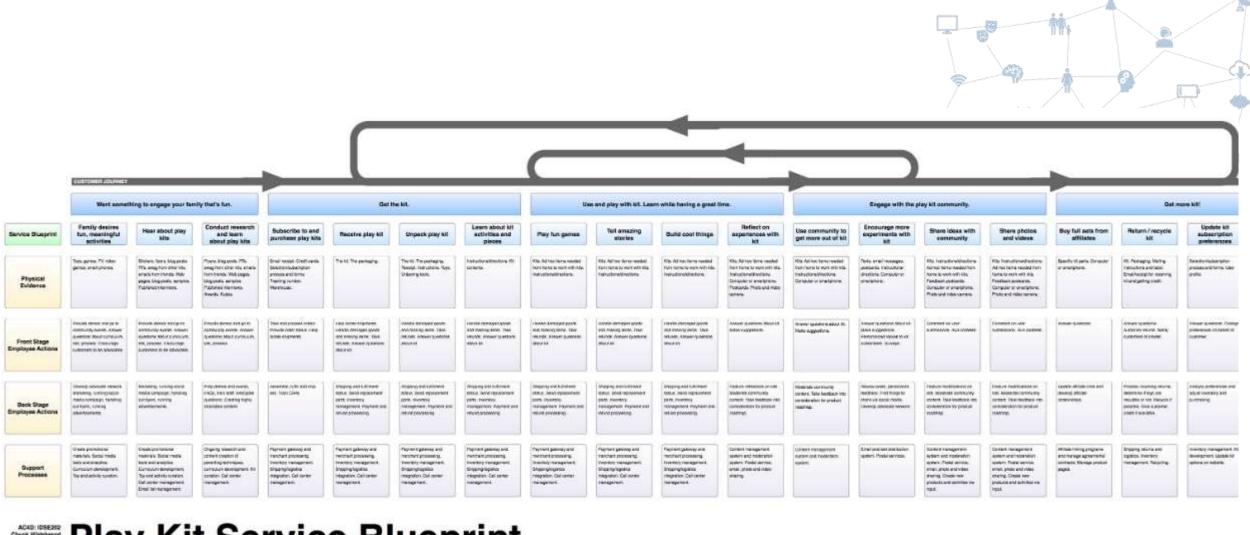


SCENARIOS, STORYBOARDS, & SERVICE DESIGN NAVIGATION by Ko-Hsun Huang

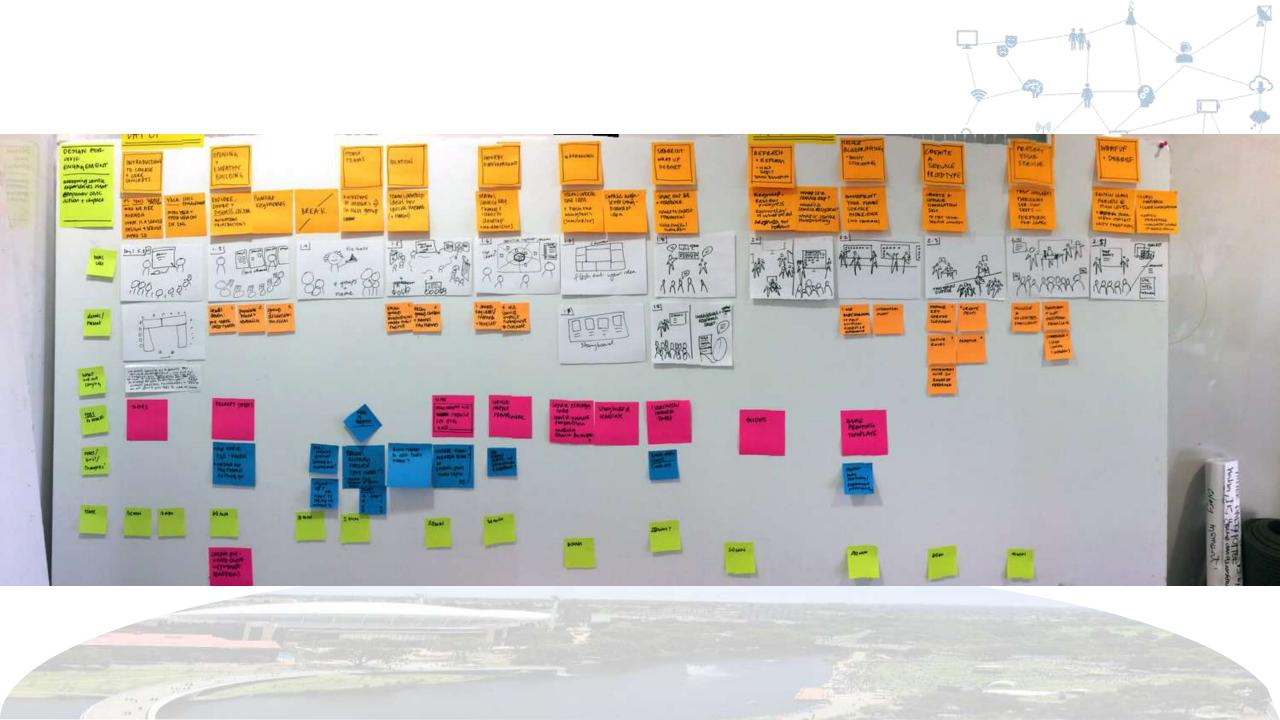


"A Model-Driven Service Design Toolkit: From Co-Design to Implementation", 5th IASDR 2013 Tokyo, Tokyo, Japan, 08/2013





Chois Ribbos Play Kit Service Blueprint Bettery State Play Kit Service Blueprint







Service Design Tools & Methods

A SELECTION OF OUR FAVORITES



Alignment & Problem Framing



HYPOTHESIS JOURNEY MAP

A visualization of the customer journey over space, time, and across touchpoints, based on the team's current understanding of the experience rather than on research.



STAKEHOLDER INTERVIEWS

Interviews with project stakeholders that help clarify the problem space and define successful outcomes.



ALIGNMENT WORKSHOP

A tailored set of activities that help the team and key stakeholders define project expectations and create a shared understanding of the problem space.



STAKEHOLDER MAP

A visual diagram of project stakeholders, their roles, and their relationship to one another.



CURRENT-STATE BLUEPRINT

An operational diagram that depicts how a service operates today, with enough detail to understand, implement, and maintain it.



ECOSYSTEM MAP

A tool that visually communicates the relationships between the customer and the people, services, and touchpoints that surround them.



Discovery & Mapping





QUALITATIVE RESEARCH

In-depth research (typically interviews) done with customers to better understand their needs, motivations, perspectives, and behaviors.



RESEARCH INSIGHTS

Patterns synthesized from research that reveal underlying customer needs, motivations, goals, and context.



EXPERIENCE MAP

A visualization of the holistic customer experience, demonstrating the highs and lows people feel while interacting with a product or service.



EXPERIENCE PRINCIPLES

Definitive guiding statements that explain what the future customer experience should feel like and enable objective design decisions.



User profiles that represent group behavior patterns-or, what the customer is doing and what they desire to achieve.





Service Design Tools & Methods



Ideation & Envisioning



A structured idea generation activity used to come up with concepts within a fixed time limit, often using research insights, experience principles, and personas as prompts.



SERVICE STORMING

A collaborative (and fun!) method for generating and iterating on service experience concepts through acting.



PRIORITIZATION FRAMEWORK

A method for evaluating and ranking ideas based on value and feasibility.



VISION STORIES

A story that captures both the emotional and functional aspects of the customer's experience with the ideal future service.



A visual method for envisioning the components of a future experience. while also setting the context and telling a human story.



and maintain it.



Prototyping and testing the complete minimal viable service (MVS) to gauge value, gather insights, and understand the real-life mechanics that make up the future experience.



Evolution Planning & Piloting



FUTURE-STATE BLUEPRINT

An operational diagram that depicts how a service will operate in the future, with enough detail to understand, implement,



PROJECT / FEATURE CARDS

A collaborative planning tool used to identify and define the chunks of work necessary to realize a future vision. Helpful in evolution planning.



EVOLUTION PLAN (OR ROADMAP)

A framework that outlines the incremental releases of a service from its current state to an ideal future state. Each phase should offer a complete, valuable experience.

Core Principles of Service Design



HUMAN CENTERED

Focuses on the people for whom we are designing and extends beyond the customer to include the experience of staff and the business



CO-CREATIVE

Includes stakeholders and customers in the design and delivery of service experiences



ORCHESTRATED

Considers how the various elements and processes of a service organization should be aligned for optimal service delivery



TANGIBLE

Reveals the value and interactions of an intangible service through physical and digital touchpoints that can be seen and experienced



HOLISTIC

Looks toward the end-to-end experience, not just a single moment, service encounter, or experience stage



WANTTO KNOW MORE?

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We'll connect again next year, 2019