AGENDA

14:00	Welcome – Agathe Parois
14:05	Overview of Connected Places Catapult & Setting the scene – Alan Peters
14:20	Programme overview – Agathe Parois
14:25	Introduction to the station and the challenges – Andy Rhodes, Kirsten Durie, Susan Evans, Network Rail
14:35	Testbed overview - Clémence Martin-Beaumont
14:45	Application process – Agathe Parois
15:05	Q&A

This webinar is being recorded if you need to share with your team or re-watch.

CATAPULT
Connected Places

CONNECTED PLACES CATAPULT

The Catapult Network brings together nine leading technology and innovation centres spanning over 40 locations across the UK.

We are independent not-for-profit private organisations transforming the UK's capability for innovation in sectors of strength.

The Connected Places Catapult is one of the nine centres, leading in fields such as Mobility, Built Environment, Critical Infrastructure, Health & Wellbeing, Public Places and Decision Making.

○ Main Base
● Centre
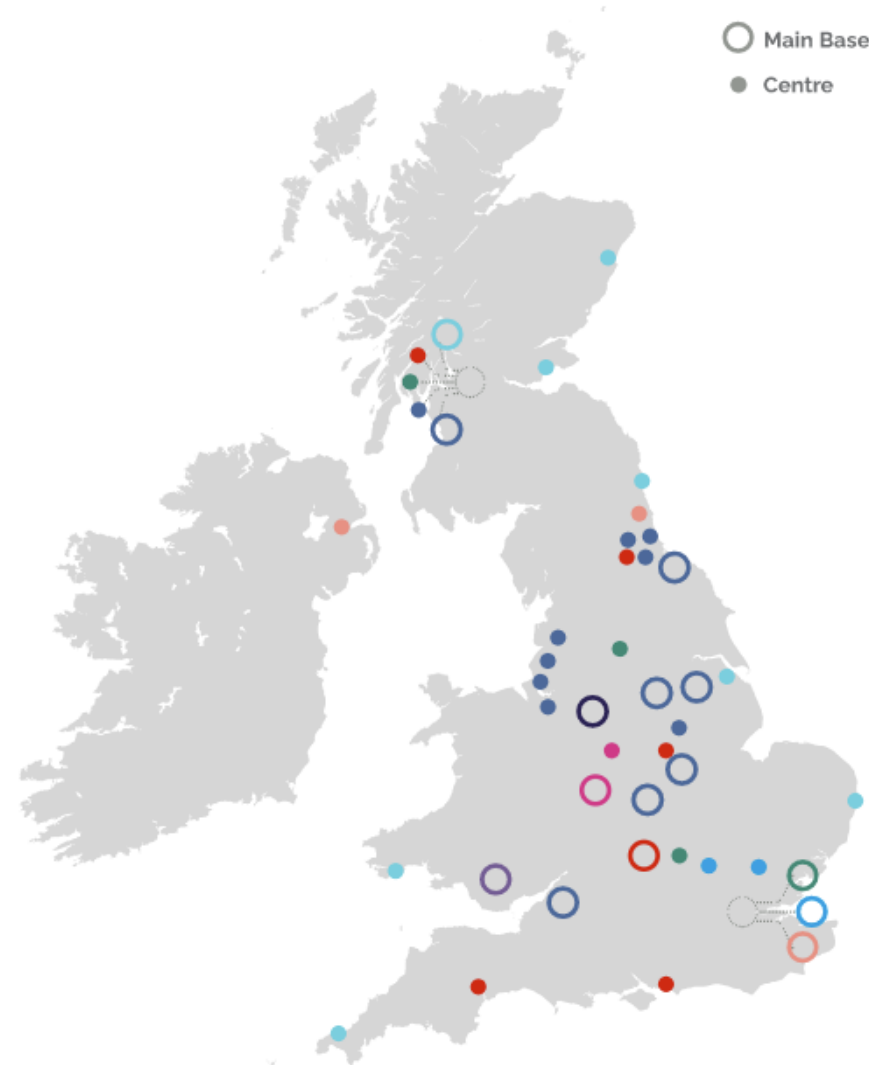
Cell and Gene Therapy	Digital	Medicines Discovery
Connected Places	Energy Systems	Satellite Applications
Compound Semiconductor Applications	High Value Manufacturing	Offshore Renewable Energy

CATAPULT
Connected Places

We are the UK's innovation accelerator for cities, transport and place leadership.

Connecting the market.   Sparking innovative technology.   Accelerating commercialisation.

CATAPULT
Connected Places

STATION INNOVATION ZONE

The vision

We will create:
A vision of the Station of the Future as an exemplary "reduced barrier innovation zone" acting as a unified showcase of the best of station innovation for rail technology buyers and investors

What will it involve?

It will involve:
Creating a new applied R&D asset for rail innovation, transforming a publicly-owned UK station into a hub for developing, testing and demonstrating innovations, with associated SME support, showcasing and new supply chain opportunities.

The outcome

The impact will be:
- Confidence for rail technology buyers
- Introduction of new innovative technologies
- New collaborations and partnerships
- Diversify the supply chain
- Accelerated SME growth

CO-CREATED VISION FOR A STATION

The station of the future will be a proud, efficient gateway to the place it serves. The station of the future reflects local identity and is open and inclusive to all. It convenes people, businesses and culture without compromising on purpose: effective transit through its spaces. Our vision is to design a safe, sociable, seamless and sustainable station that enables both social and financial prosperity.

FUTURE STATION THEMES

A FUTURE VISION FOR STATIONS
A SAFE STATION

WHAT MIGHT THIS INVOLVE?

- Offering security from crime
- A calm and peaceful environment
- Clean and well-maintained infrastructure

A safe station is clean, calm and inclusive.

"We don't know what we don't know until an incident happens. It can be quite hard to see danger or a safety point. So, I think it's about constantly keeping safety at the forefront of our minds and making sure that never slips because the moment it slips, that's when you get incidents - that's when people don't go home."

A FUTURE VISION FOR STATIONS
A SOCIAL STATION

WHAT MIGHT THIS INVOLVE?

- The station as an ambassador for the city
- The integration of diverse local businesses
- The promotion of arts and culture

A social station has strong links to the places and people that it serves.

"If you made space available for pop-ups, so you had some space where there was different independent or local fashion or food retailers, that could be a huge enabler to civic engagement and the entrepreneurial growth of the city."

A FUTURE VISION FOR STATIONS
A SUSTAINABLE STATION

WHAT MIGHT THIS INVOLVE?

- Sustainable infrastructures
- The integration of low carbon last mile transport
- Becoming greener, more alive spaces

A sustainable station has a low or even negative carbon contribution.

"How we're going to get to net zero as a country and all play our parts is going to be fundamental. I think innovation has got probably quite a lot to play into all of it."

A FUTURE VISION FOR STATIONS
A SEAMLESS STATION

WHAT MIGHT THIS INVOLVE?

- Reducing barriers to travel
- Improved guidance and communications
- Making travel more dynamic

A seamless station enables an efficient, straightforward yet dynamic journey from point to point.

"You don't get on a train to go to a station. You actually take a train to go to your final destination, which is usually within a relatively short distance of the station. If you could get that seamless station and city concept working well, that would be great."

A UNIQUE POSITION

Convening the UK's innovation capability.

Neutral ecosystem convening between public and private sector, SMEs and academia.

Deep technical expertise.

Within the Catapult, we hold sector-specific and methodological skill.

Technology agnostic.

Part funded by Innovate UK, our mission is to support UK jobs and growth.

COMPETITION OVERVIEW

Agathe Parois
Accelerator Programme Manager

CATAPULT
Connected Places

THE OPPORTUNITY

We're providing funding and expertise to find and test innovative solutions to challenges in the rail industry – creating the environment to demonstrate impact and to build the needed case for scaling.

- Up to 10 innovators supported

- £2k funding for Phase 1 per company

- Extra funding for the innovators going to Phase 2 (up to 3 innovators)

- Trial Design support & Business support

- Access to experts

- Networking opportunities with the community

PROGRAMME STRUCTURE

January – June 2023

Phase 1: Work on trial proposal

Phase 2: Trial implementation

January	February	March	Selection of the 3 companies	April	May	June

Trial design Workshops,1-2-1 support, investor network access

Workshops, events, 1-2-1 mentorship, business coaching, investor network access, progress check-ins

Welcome Week	Experiment design training	Tailored Expertise	Business Development & Sales	Deployment Support	Demo Day

CATAPULT
Connected Places

STATION INNOVATION ZONE COMPETITION – WHY APPLY?

Funding Opportunities

Coaching and Mentoring

Testbed Support

Technical Support

Solution Showcase

INTRODUCTION TO
BRISTOL TEMPLE MEADS STATION

CHALLENGES

Safe Station

Social Station

Seamless Station

SAFE STATION

How might we enhance safety at the station through improved station operations?

- Improving access to relevant information to enable improved safety.

- Emerging technologies to improve station maintenance and reduce tension between station maintenance and station operations

- Use of data to improve safety, maintenance and operations

"It's about making station users feel comfortable and confident. And to be able to do that, the information you give them needs to be reliable and safe. They've got to have confidence in that information."

SOCIAL STATION

How might the station be a great place to spend time for passengers and local communities, whilst functioning as a transport hub?

- Solutions that are transforming the station into a social and multifunctional space, for both local dwellers and rail passengers.

- New approaches to offerings at the station that are flexible, affordable, and as such welcoming to (local) culture and entrepreneurs.

"There should be a good level of integration between the local town, village, city, and the station. [...] You know, it might be an office, a room that the community use or an art gallery."

SEAMLESS STATION

How might we improve the provision of customer information, by tailoring it to passengers' needs and adapting it at times of disruption?

- Improving wayfinding during renovation work, adapting to different crowd levels.

- Improving wayfinding beyond finding the platform and the exit. Providing station users with information on where to go when needing to wait for a delayed train, as well as informing station users on onward journeys and surrounding local areas.

"I think all railway stations could be improved in terms of seamless wayfinding. Make it more inclusive, include more pictures, make it as easy as possible."

TESTBED SUPPORT

Clémence Martin-Beaumont
Living Labs Design Manager

CATAPULT
Connected Places

WHAT IS A TESTBED?

A testbed is an approach that removes barriers to testing by giving innovators access to user groups and real-world contexts so they can develop, test and showcase new or existing products and services without the usual risks. Testbeds can be facilitated in either controlled or uncontrolled environments.
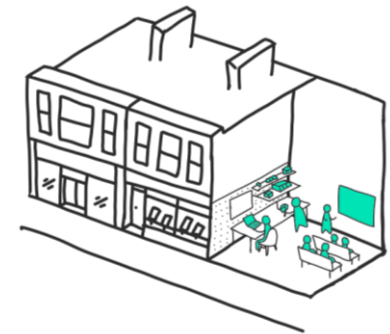
Some examples of what testbeds could look like are:
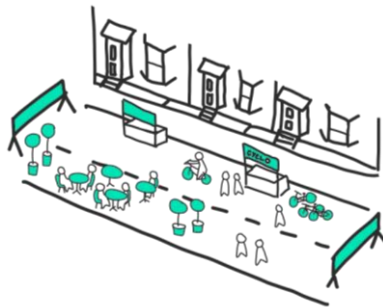
Utilising an area of public realm to trial solutions to improve onward journey and active travel
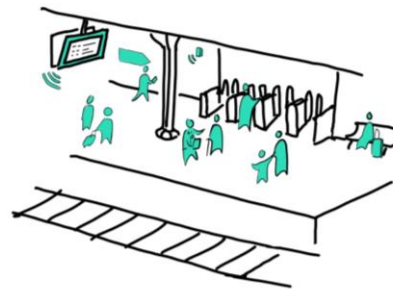
Equipping station staff with new products or services to test how well they support their work and improve the experience of passengers

Deploy a new community activity or retail offer in an empty shop front to test how compelling it is to visitors and how it integrates in the station offer

TESTBED MINDSET

Testbeds are great opportunities to trial innovative and ambitious ideas in real-life settings, gather insights and feedback from user groups and refine or adjust those solutions. Testbeds offer a safe space for learning and iteration to move towards developing a more meaningful user-centered solution.

Ambitious

Test bold ideas to make the most of the experiment and learn a lot.

Open-minded

Be curious and ready to gather unexpected feedback and insights

Flexible

Testing means iterating! Be ready to adapt and pivot quickly!

TESTBED DEPLOYMENT SUPPORT

The Catapult team along with Network Rail and station teams will be here all along the process to support SMEs with the design, deployment, monitoring and evaluation of their trial in the station context.

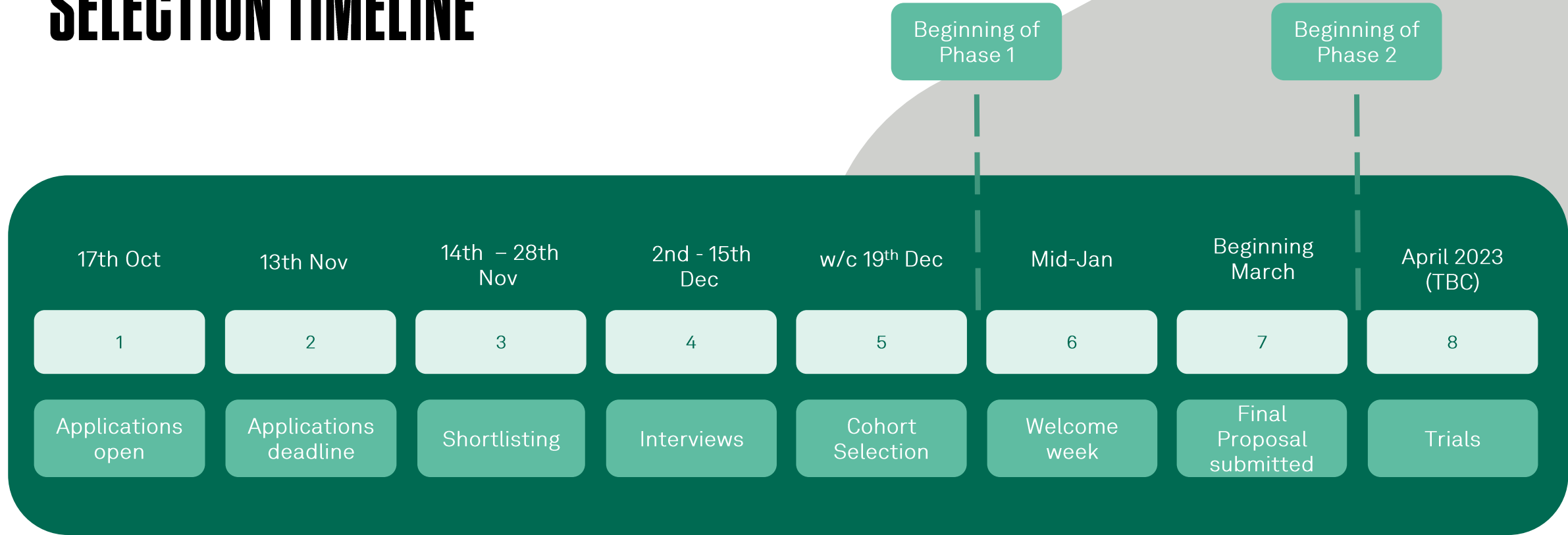| Testbed support	Rail specific masterclasses	Data Privacy & Safety	Engaging with end-users	Monitoring & evaluation
Trial design training, preparation and deployment support	To discover and understand the industry, its processes and stakeholders in more depth	Responsible data management and data ethics training and support	Training around best practises to collaborate effectively with end-users and gather insightful feedback in trial context	Support for evaluating the results and impacts of the trial in the station and in relation with the selected challenge
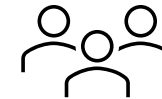
APPLICATION PROCESS

CATAPULT
Connected Places

SELECTION TIMELINE

Beginning of Phase 1

Beginning of Phase 2

17th Oct	13th Nov	14th – 28th Nov	2nd - 15th Dec	w/c 19th Dec	Mid-Jan	Beginning March	April 2023 (TBC)
1	2	3	4	5	6	7	8
Applications open	Applications deadline	Shortlisting	Interviews	Cohort Selection	Welcome week	Final Proposal submitted	Trials

HOW TO APPLY

The Catapult are looking for solutions, both technical or non-technical that can be tested, showcased or developed.

It is not a requirement of your solution to be commercially viable, but it must be focused on addressing the challenge to create a positive social change on the local problem.

Deadline:

Sunday 13th November

Eligibility Criteria:

- You must have a UK registered company
- You must have an innovative idea or solution you are willing to either develop or test in a real-world environment
- You must be able to address the challenge statements with your solution
- Commitment and willingness to engage with the programme

*a company with fewer than 250 employees

SCORING CRITERIA

Solution	30%	Trial Proposal	30%	Impact	20%

		Team	15%	Traction	5%

caTAPULT
Connected Places
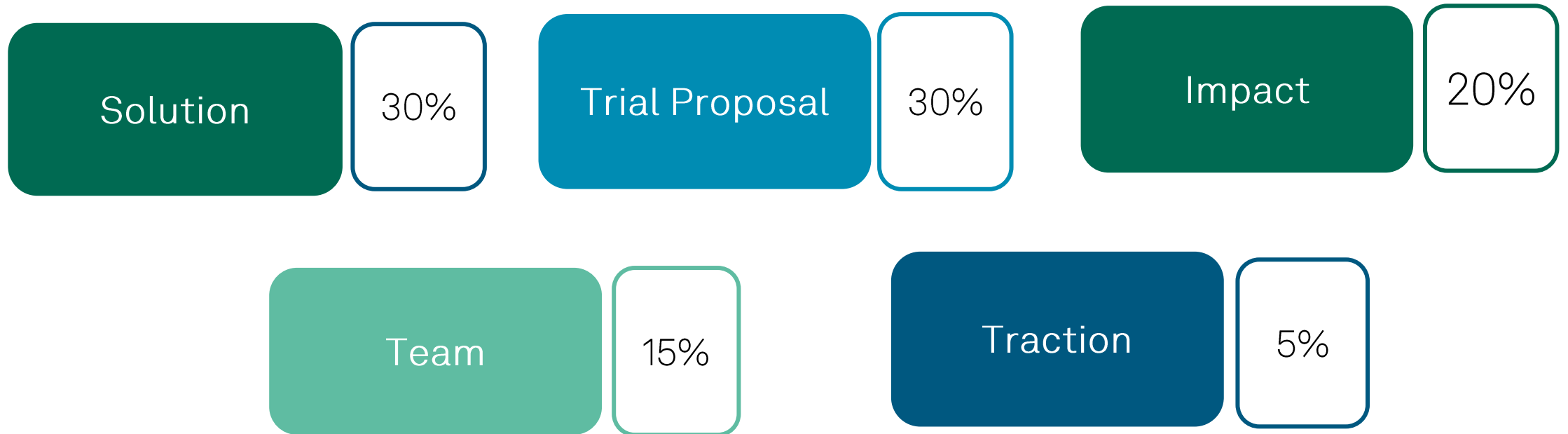
Q&A

Please use the Q&A box to
share your questions

Key Contact:

Innovation_funding@cp.catapult.org.uk

CATAPULT
Connected Places