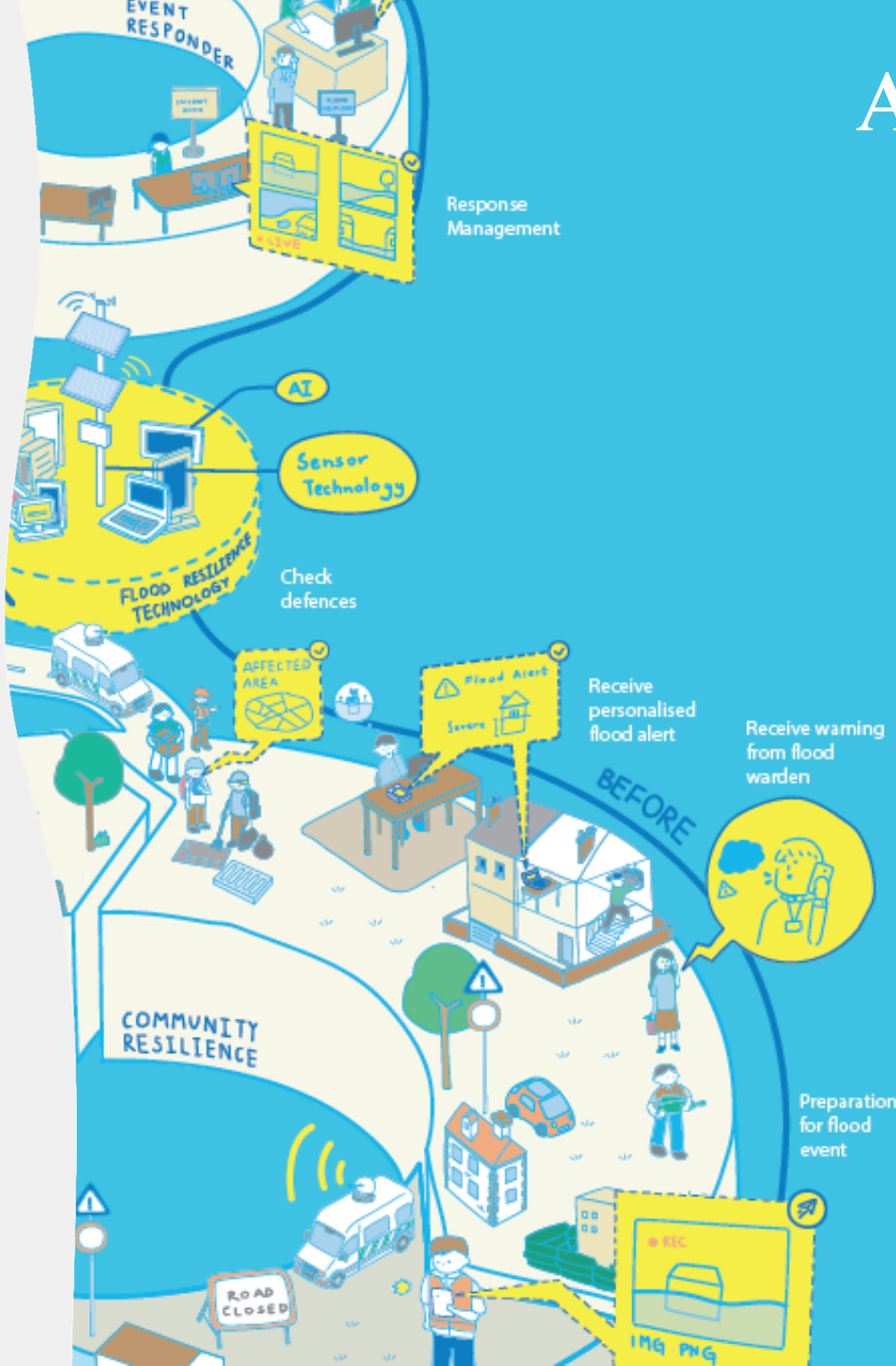
ARUP

G-Cloud 15 Co-Design

G-Cloud 15
Service definition document

Our firm

Arup is a global collective of designers, consultants and experts dedicated to sustainable development, and to using imagination, technology and rigour to shape a better world



Our aims

The aims and principles laid out by Sir Ove Arup in his Key Speech, continue to underpin our firm today


Social usefulness


Total architecture


Humane organisation


Straight and honourable dealings


Quality of work


Reasonable prosperity

Who we are

We combine digital expertise with market knowledge to advise on the role of digital and data in the built and natural environment

We deliver services and solutions that solve complex challenges for our clients



Our strategy

We work with clients, partner and practitioners who share our commitment to create a sustainable future for everyone



Our partnerships

From climate change to city resilience, our long-term collaborations help us to tackle some of the world's toughest problems























Some of our clients





































ARUP

Our G-Cloud 15 services

- Digital service design and development
- Discovery phase
- Alpha phase
- Beta phase
- Digital Asset Information Management
- Digital Strategy and Architecture
- Built Environment Data Advisory
- Digital Transformation
- Digital Energy
- Digital Water
- Digital Transport
- Experience Design
- Digital for Sustainability
- Digital Twins
- Digital Planning
- Co-Design
- GIS (Geographic Information System)

Co-Design

Co-Design

Introduction

Leverage Arup's user-centred design expertise and state-of-the-art technology to scope, research, design and deliver solutions in collaboration with stakeholders and communities to ensure it meets their needs.

Through creatively designed stakeholder sessions, we will co-create clear goals, align stakeholders and sketch and prototype low-fidelity solutions. We will also test and validate co-created hypotheses with stakeholders and users.



Features

Features

- Active involvement of stakeholders and communities in the design process
- User-centred approach to problem framing and designing the solution space
- Expertly-facilitated, creative and empathetic stakeholder engagement sessions (i.e., workshops, public consultations, focus groups and user intercept surveys)
- Adapting idea-generation activities to fit the profile of stakeholders in attendance
- Generating hypotheses that can drive methodology design and testing to validate ideas
- Work with Arup's subject matter experts (cities, planning, architecture, transport, water, energy, climate) to support facilitation and analysis
- Test and validate hypotheses with stakeholders and communities
- Can utilise Arup's augmented reality tool YARD to facilitate public realm co-design with hard-to-reach groups
- Bring lived-experiences into the design process
- Continuous improvement through an iterative and reflective design process that incorporates user feedback

Benefits

Benefits

- Increase likelihood of stakeholder adoption and success since there is a sense of ownership through co-design
- Drive collaboration and broaden perspectives by breaking down silos and bringing diverse stakeholders together
- Ensures that the solution space meets user requirements
- Stakeholder buy-in increases willingness to support project success
- Create more inclusive products, services and spaces
- Better risk management, since stakeholders can highlight foreseeable issues and challenges
- Including users in the design process can bring in fresh and innovative ideas
- Upskilling of user-centred design practices and methodologies
- Creates opportunity for people to meet and work together on a shared vision
- Arup's AR tool YARD offers an interactive, visual way for members of the public to share design ideas with planners and designers. Read more here: https://medium.com/arup-digital-news/how-augmented-reality-can-make-street-design-more-collaborative-300ebacf2a6d



ARUP

Envision Vanderbilt, NYC Department of Transportation

Co-designing public space using augmented reality

Arup worked with the Prospect Heights Neighborhood Development Council (PHNDC) and the NYC Department of Transportation (DOT) on *Envision Vanderbilt*, a public engagement project to develop a roadmap for the future use of Vanderbilt Ave in Prospect Heights, Brooklyn. We hosted two events on Vanderbilt during Open Streets, allowing community members to share their experiences from the past year, explore future directions for the design of the street, and participate in interactive street design activities.

As a co-design research tool, we used YARD, Arup's public space visioning tool powered by AR. YARD enables users to imagine freely in 3D by dragging and dropping virtual objects into the real environment around them.

See a video of YARD in action: https://vimeo.com/624497147





ARUP

SuDS+, DEFRA

Co-creating thriving communities while addressing flood risk

SuDS+ is an innovative 5-year research and design project that establishes a community-led approach for designing, delivering and monitoring Sustainable Drainage Systems (SuDS). This project has delivered multiple benefits for stakeholders through a co-creation strategy with diverse community members.

As advocates for participatory design, Arup co-developed and facilitated a variety of participatory research tools and activities such as focus group discussions, co-creation workshops and community vision-setting and partnership exercises. In doing so, the project's ambition is to provide a scalable and sustainable example for how public infrastructures can deliver a greater social impact through encouraging deeper community engagement and co-creating innovative solutions with the people who are most impacted by the problem that we are trying to solve.

Learn more about the project here: https://sudsplus.ade.arup.com/

ARUP

uk.procurement@arup.com