

DECARBONOMICS™

Buildings



Engineering
Net Zero™

As part of our global Engineering Net Zero programme we are investing in developing new and improved ways to de-risk our clients' net zero journeys while delivering real and tangible benefits as they seek to decarbonise their operations and activities.

We recognise that decarbonisation is a significant challenge and that the best solutions to such large challenges are best done through collaboration and partnerships, an approach Atkins Réalis places great value in.

Building on our existing expertise in the area of decarbonising buildings and portfolios, we want to engage with our most valued clients to co-create high impact decarbonisation solutions that truly deliver robust, cost effective and intelligent whole life value outcomes on multiple fronts. To enable this we recognise we need to root our solutions to the decarbonisation challenge in the specific requirements, drivers and needs of our clients. Co-creation is central to our vision, where our partners have vested interests to create high value outcomes that mutually benefit all parties.

DECARBONOMICS™

Buildings

The building sector has a pivotal role to play in creating the Net Zero communities of the future and to achieve this relies on the effective decarbonisation of existing assets today.

Working in partnership, the **Decarbonomics™ Team** enables you to simplify the complex and make carbon visible across your entire property portfolio and at any stage of the life-cycle of your assets, so you can be empowered to make informed decisions with confidence and at pace.

Data is central to this. By building on and integrating our existing approaches to PMO, AMO, digital design and digital twin services, our industry-leading method, powered by Carbon Data Insights, makes possible an agile data-driven decarbonisation journey that allows you to visualise your portfolio performance data through AI enabled dashboards.

Mindful of the complexity of your supply chains and existing data management requirements our approach integrates with your existing portfolio activities, providing an efficient means of **visualising carbon reduction performance across your assets** while diagnosing the most **cost-effective interventions**.

By demystifying the intervention solutions and the management of their delivery, you can begin to make measurable changes, helping you to future-proof your portfolio, minimise cost and risk for the future, build climate resilience and communicate clear and quantifiable carbon reduction strategies to key stakeholders and investors.

KEY BENEFITS THROUGHOUT OUR PROCESS



Cost effective decarbonisation



Enterprise level reporting



Healthier and resilient portfolios



Reduced performance risk

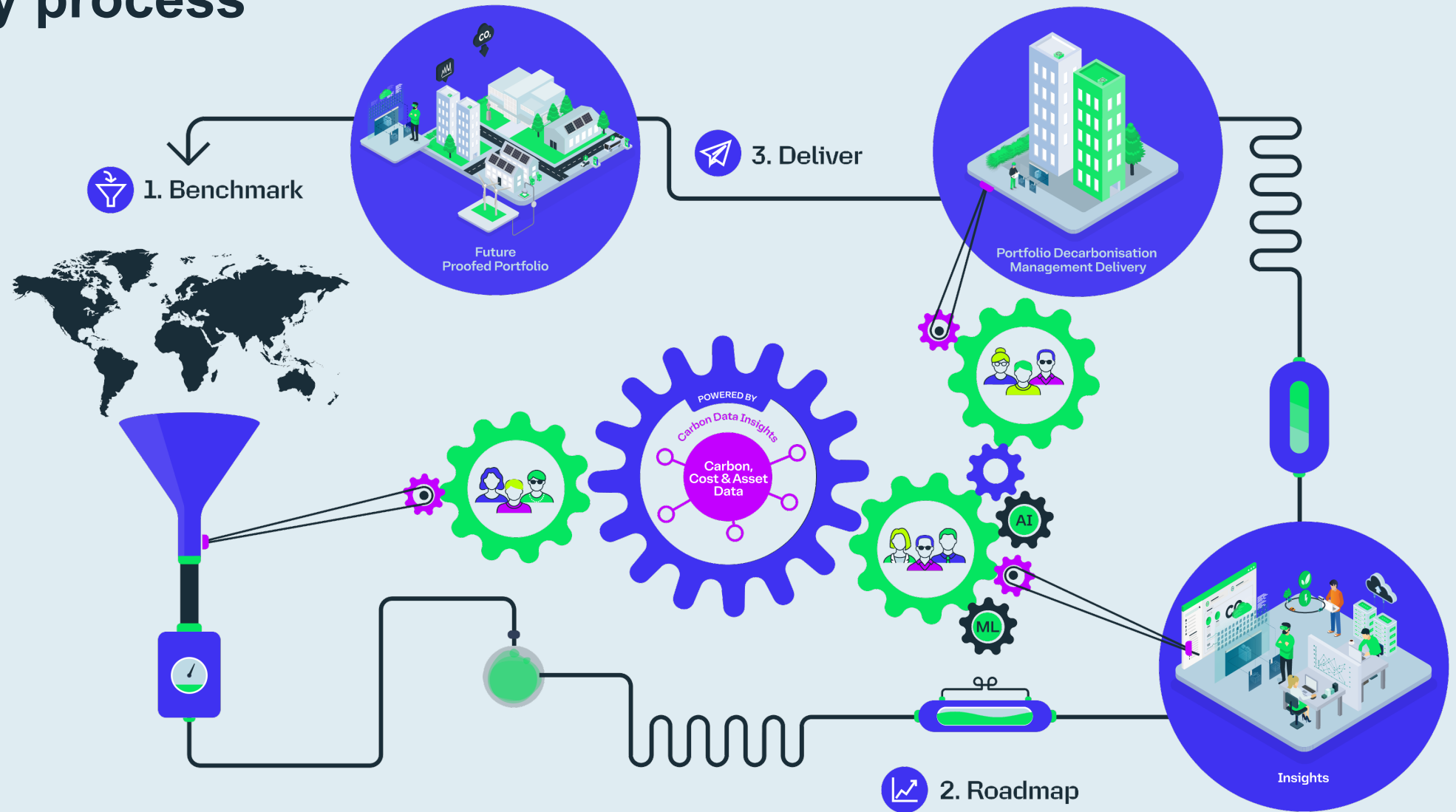


Empowered decision making

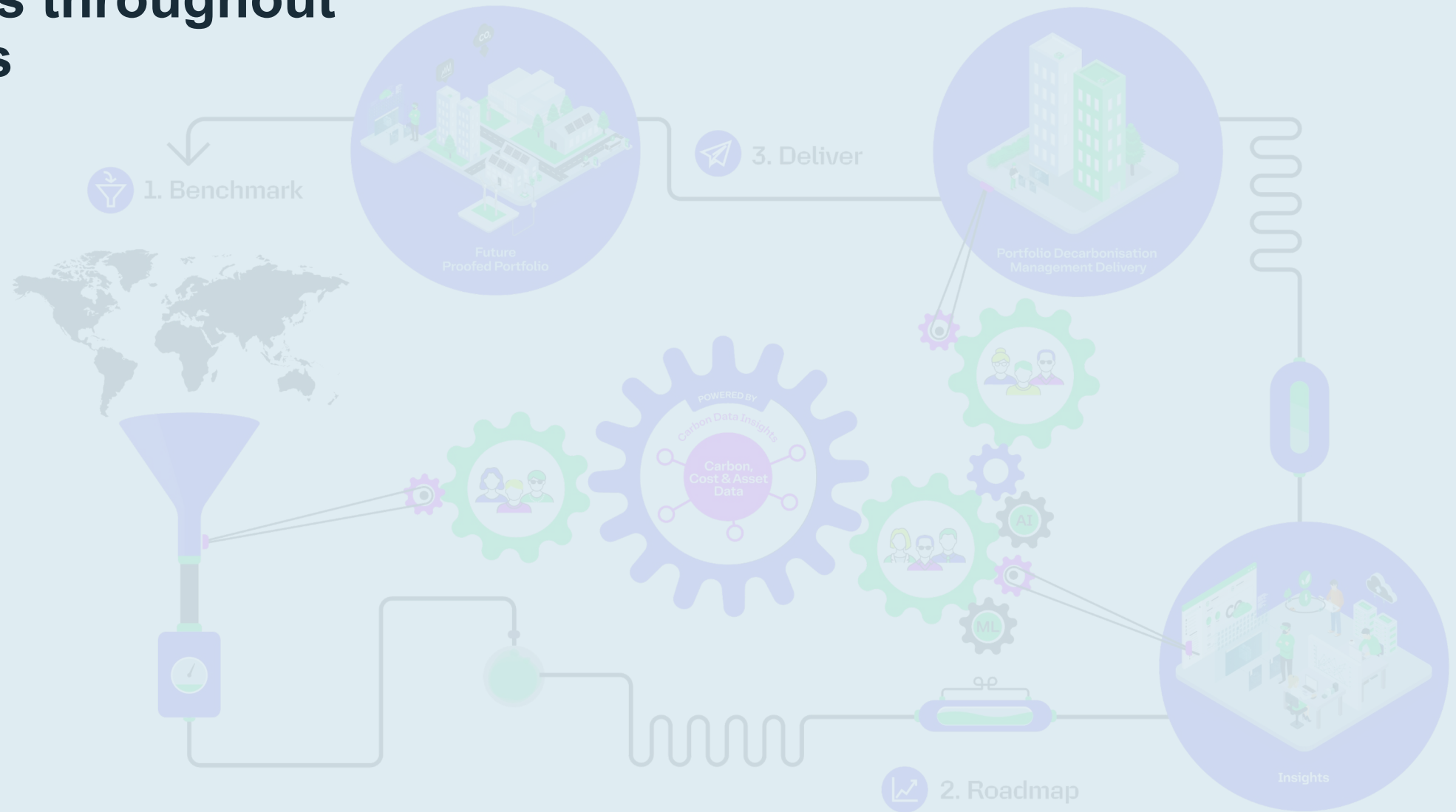


Quality control of retrofit and operation

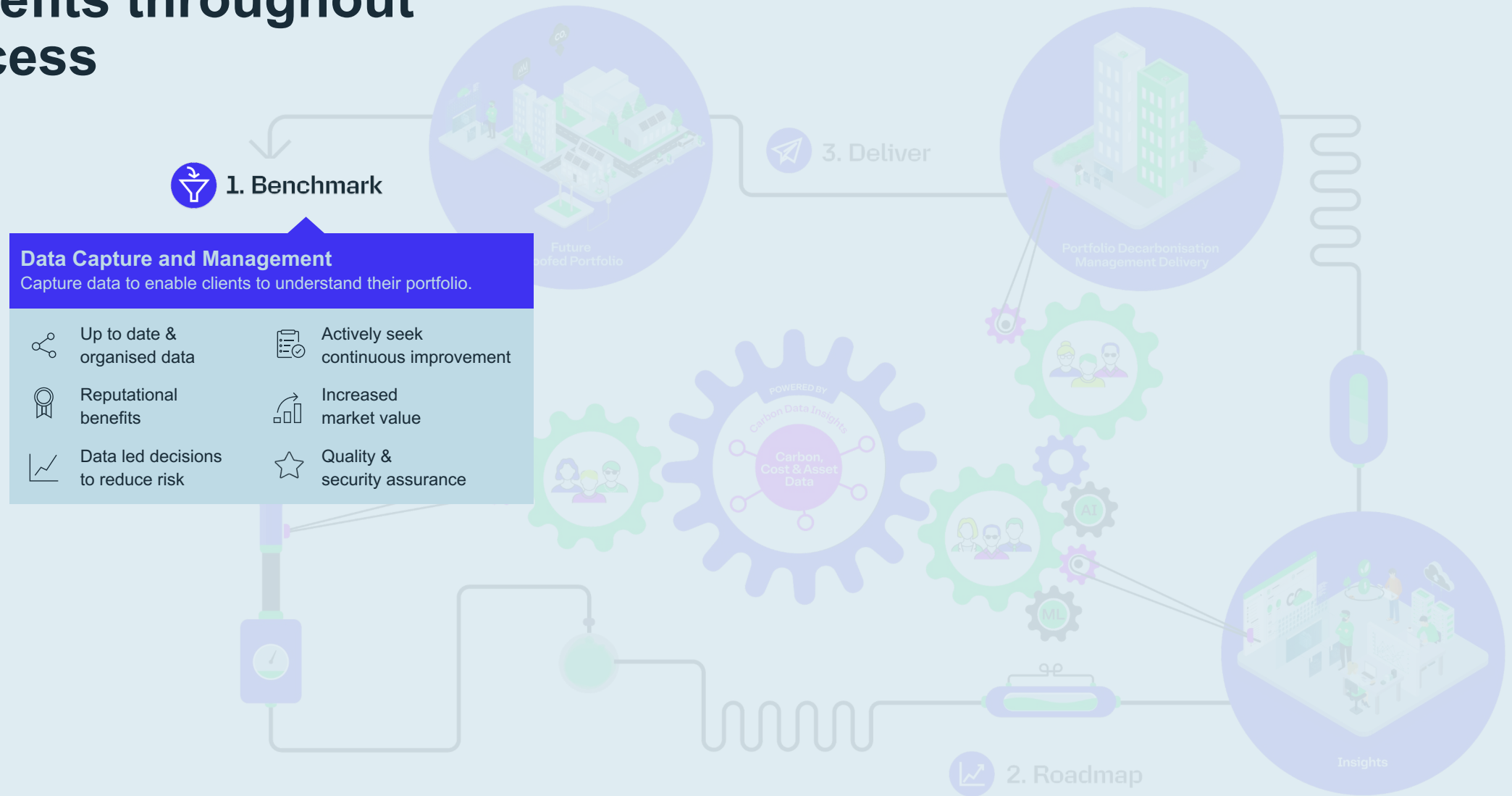
Our delivery process



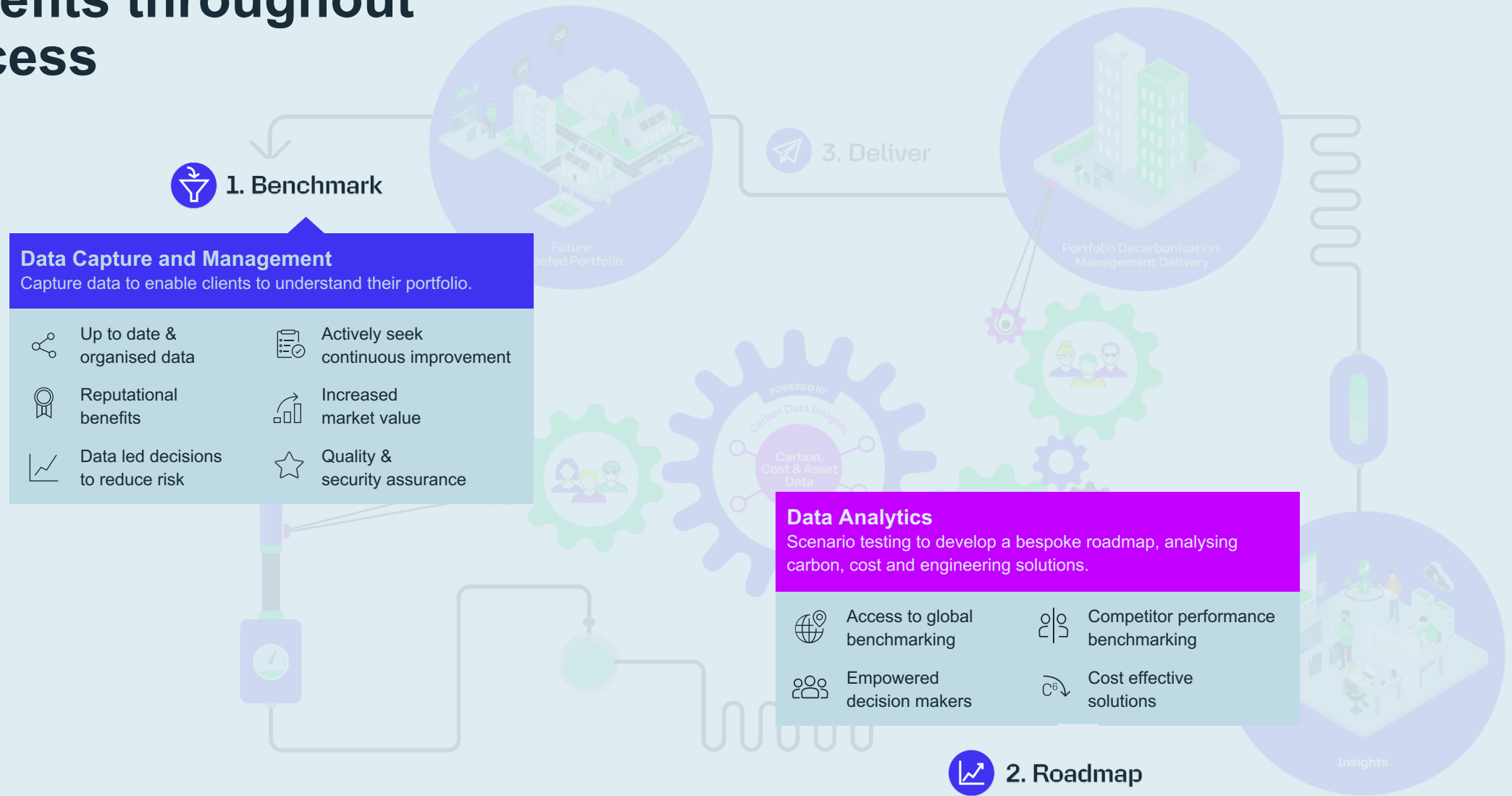
Key benefits throughout our process



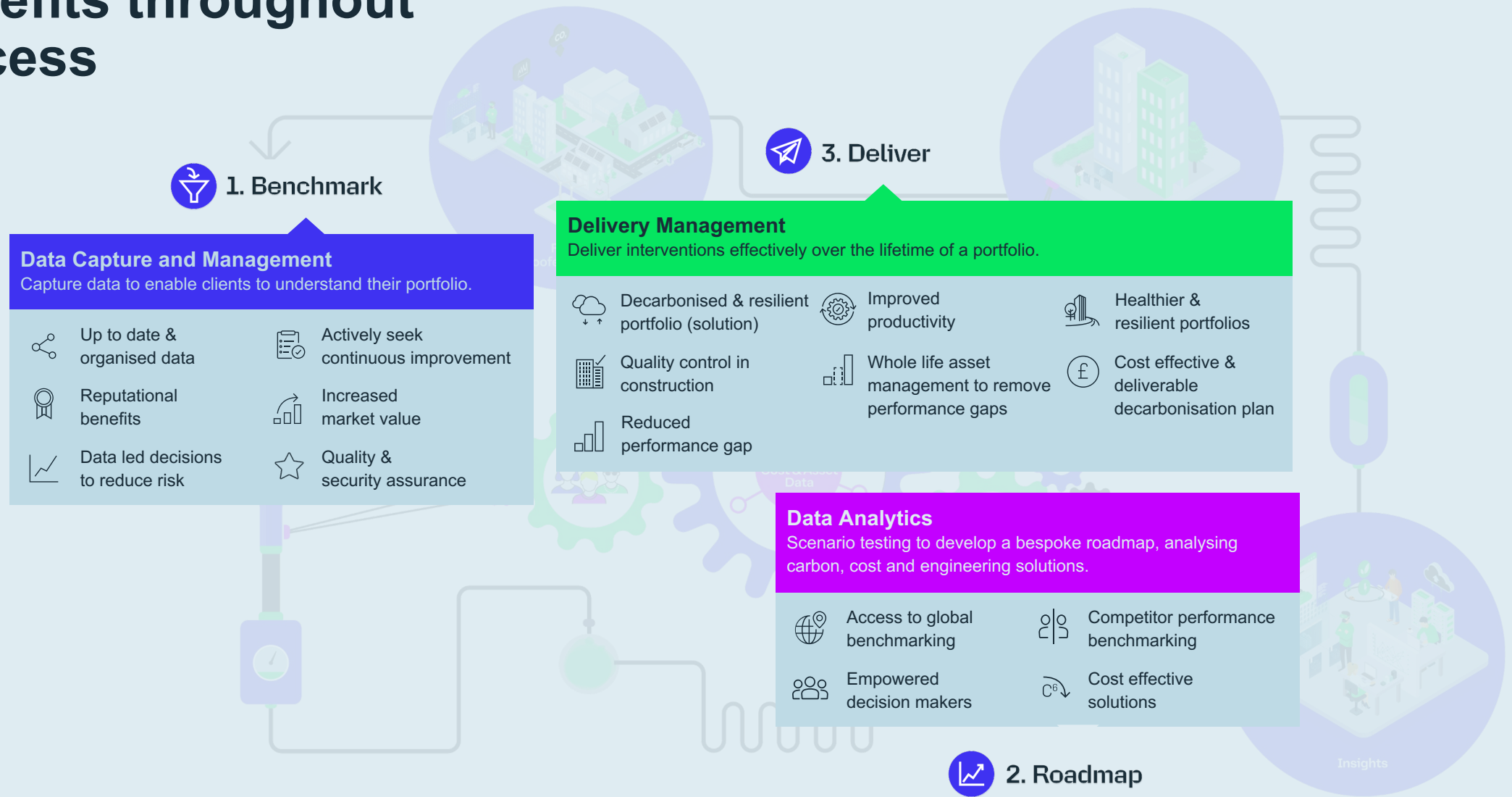
Key benefits throughout our process



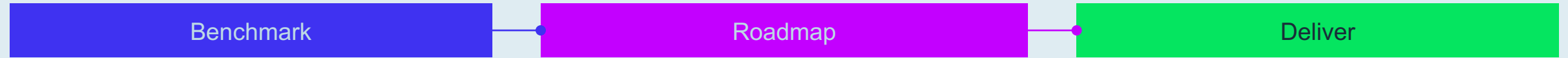
Key benefits throughout our process



Key benefits throughout our process



Our approach



Data Capture and Data Management

Decarbonomics™ Buildings utilises our industry leading data ecosystem and digital twin approaches to provide intuitive and well structured data capture and management. We embed ISO19650 and ISO55001 certified practitioners within our team ensuring we adopt best practice to derive the greatest value from your data. Whether existing data or collecting new, our **Decarbonomics™ Team** will ensure the right data is available to deliver value.



Data Analytics

Our **Decarbonomics™ Team** run sophisticated data analytics providing intelligent early stage optioneering which, through our established Global Design Framework, can provide quick optimised analysis on the most cost-effective intervention solutions. Our near term vision is to integrate Artificial Intelligence into our solutions, utilising machine learning and deep learning algorithms within our PMO and AMO dashboards to drastically improve the insights we provide to a wide range of decision makers.



Delivery Management

Our industry leading PMO, AMO, Design, FM and O&M teams come together as part of our integrated **Decarbonomics™ Team** to execute delivery ensuring that the optimal decarbonisation interventions are delivered.



Powered by Carbon Data Insights

Data is a key enabler for optimised whole-system decision making and is central to our approach. Our Carbon Data Insights represents the mass of cost, carbon and asset data that Atkins Réalis can leverage through our global operations. Our approach is iterative, supported by ongoing feedback from within your portfolio to drive decarbonisation at pace and enables you to make informed, confident decisions.

Our ask

Before we seek to realise our bold vision, we would appreciate the opportunity to meet with you to explore this challenge, discuss our vision and understand more about what the decarbonisation agenda means to you.

As a starting point, we propose setting up a call that would focus on the following:

- Where you see value in decarbonising.
- Where you are on the journey.
- Understanding your approach to decarbonising.
- What your key requirements are.
- What your biggest challenges, frustrations are for your organisation.
- What technology/data you need.
- Where you see the biggest opportunities for your organisation.
- What you need from your supply chain that you are not currently getting.



We would expect the interview to be around an hour and there would be plenty of opportunity to ask us questions.

Our aim for this co-creative venture is to deliver truly innovative solutions that provide real value in a mutually beneficial manner as we all progress towards a decarbonised future.

THANK YOU

Get in touch for more information.

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