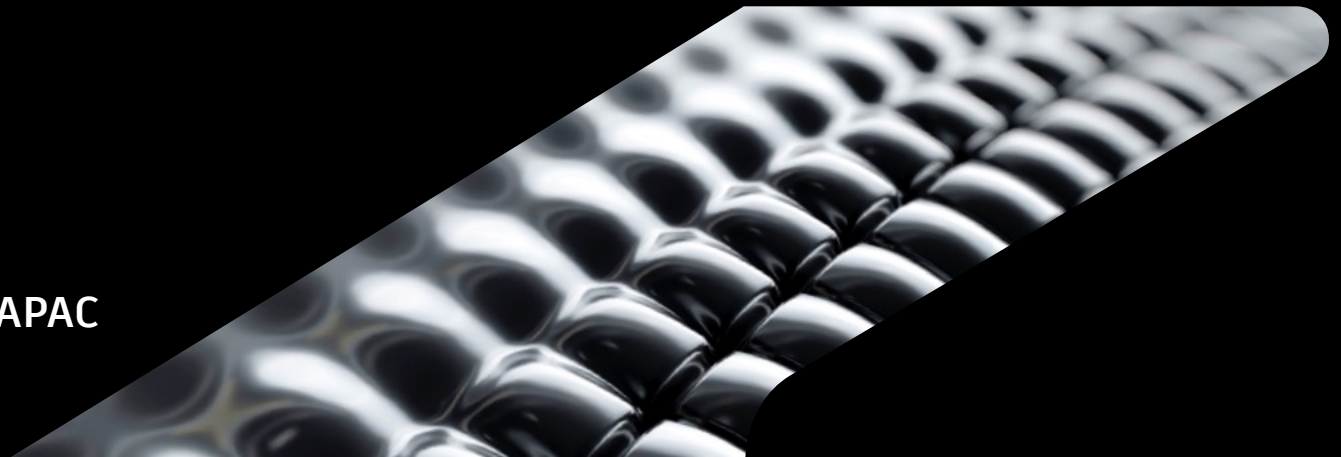
AUTODESK UNIVERSITY

How will the construction sector get to net zero?



Carol Battle
Autodesk Consulting
Sustainability Practice APAC

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Learning objectives

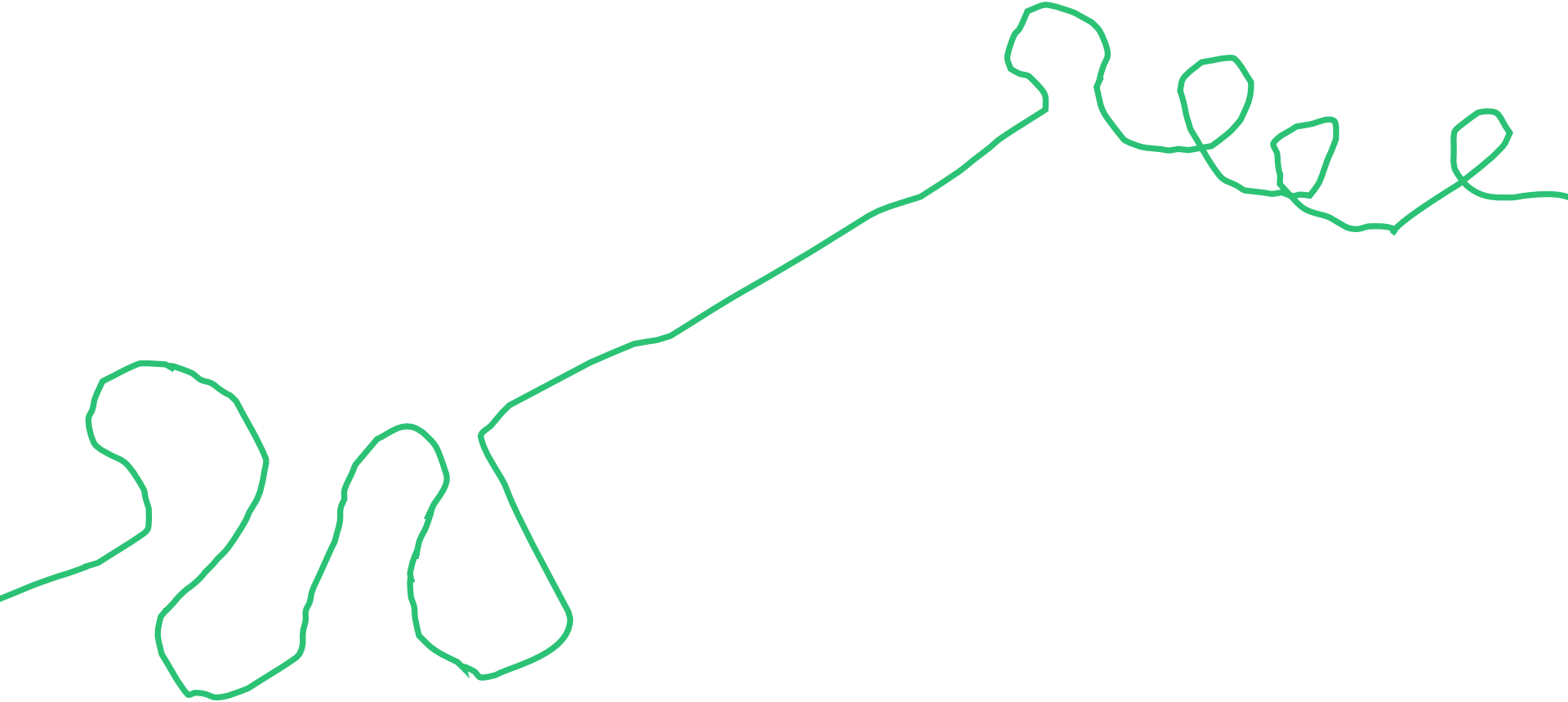
Learning Objective 1 Learn about key business opportunities and risks as industries transition to net zero emissions.
Learning Objective 2 Discover the best available technologies required at scale to successfully mitigate catastrophic climate change impacts.
Learning Objective 3 Imagine the likely changes on construction sites within the next 10 years.
Learning Objective 4 Plan for operational changes anticipated to realize industry changes.


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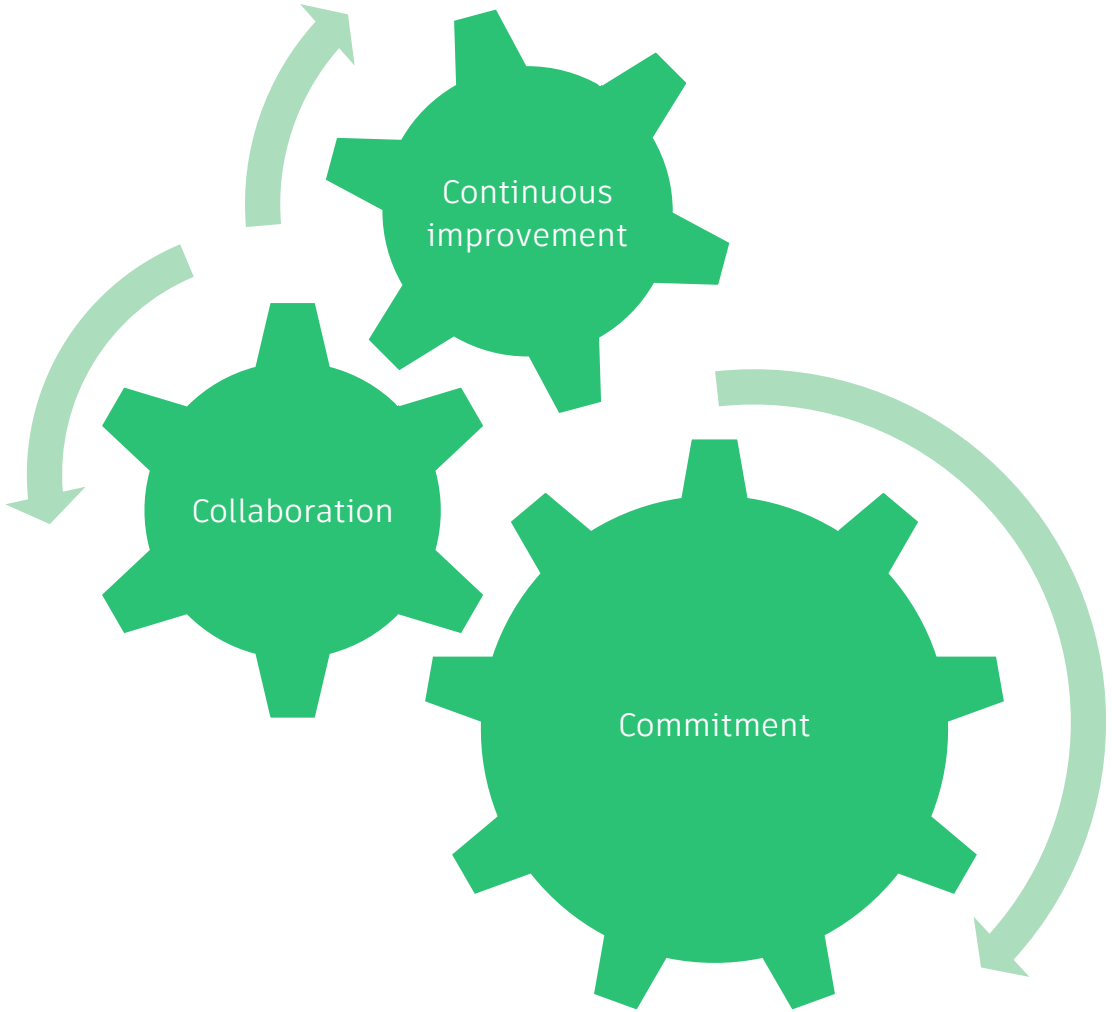
CONSULT AUSTRALIA

Infrastructure
Sustainability
Council

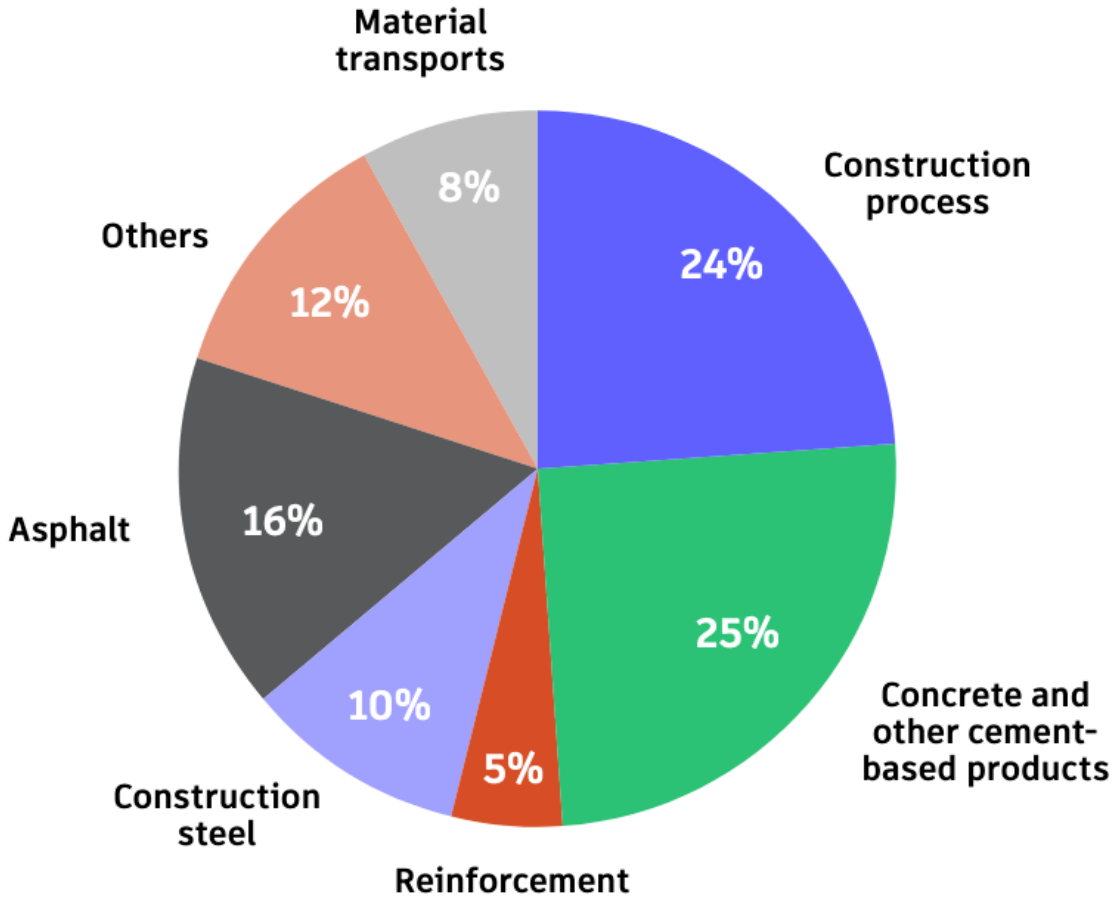
AUSTRALIAN
CONSTRUCTORS
ASSOCIATION



Principles underpinning net zero success

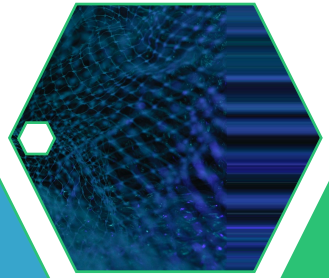


Current state construction emissions for typical road project



Trafikverket, 2018. Presentation at Results Conference on Carbon Requirements, Trafikverket, Stockholm, June 2018

Enablers



Policy



Capability

Data & Measurement



Technology





Procurement

Methodologies



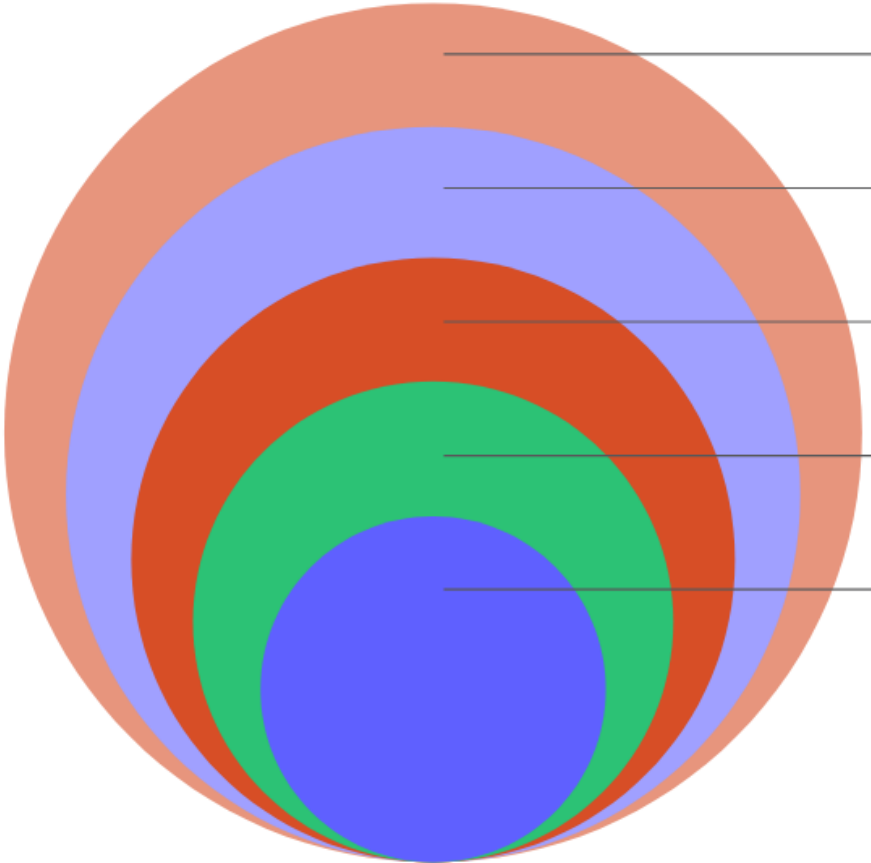
Materials

Supply chain





Options for action



REGENERATE our climate, landscapes and biodiversity

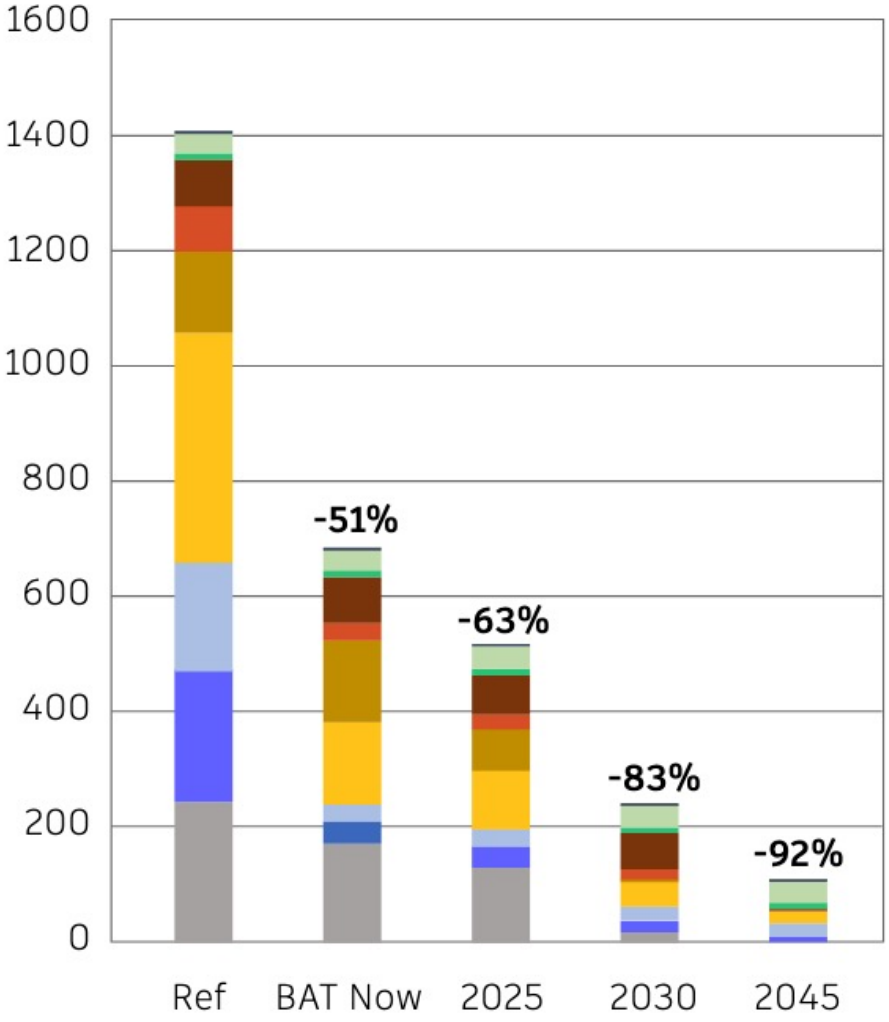
REDUCE our footprint while improving efficiency and productivity

REPURPOSE, recover and recycle existing assets, resources and carbon

REDEFINE the way we do things

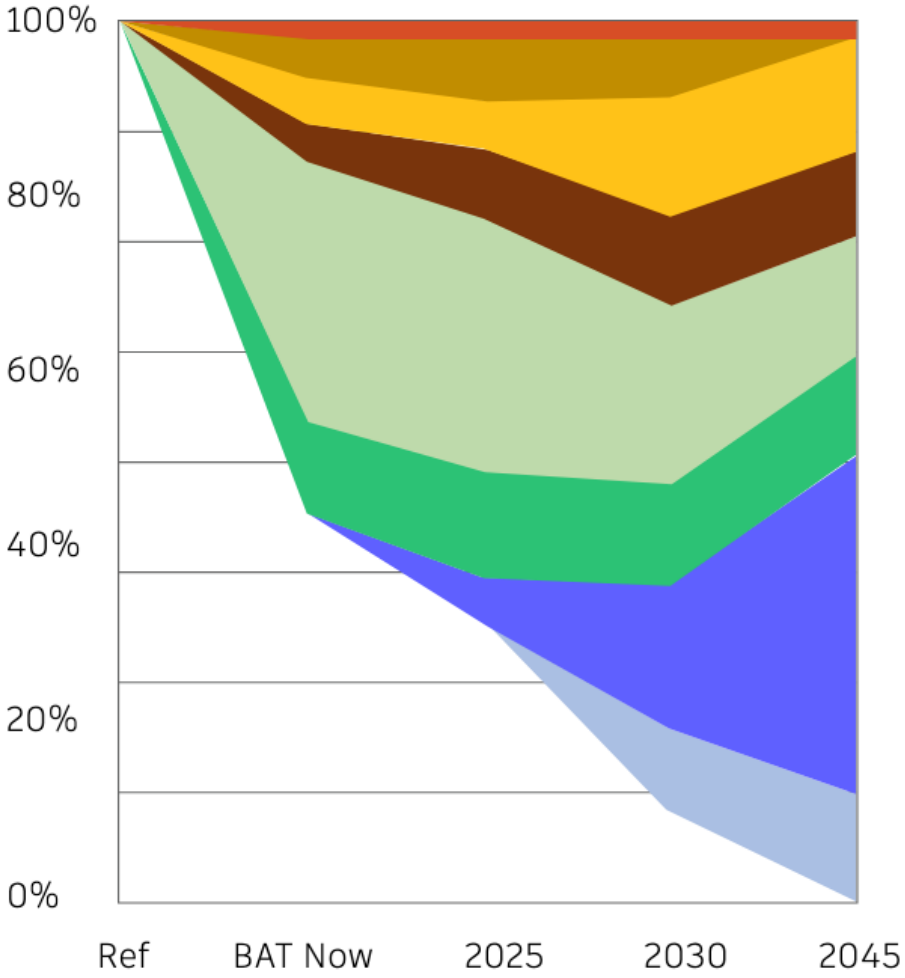
RETHINK the need and the solution


Making better decisions earlier



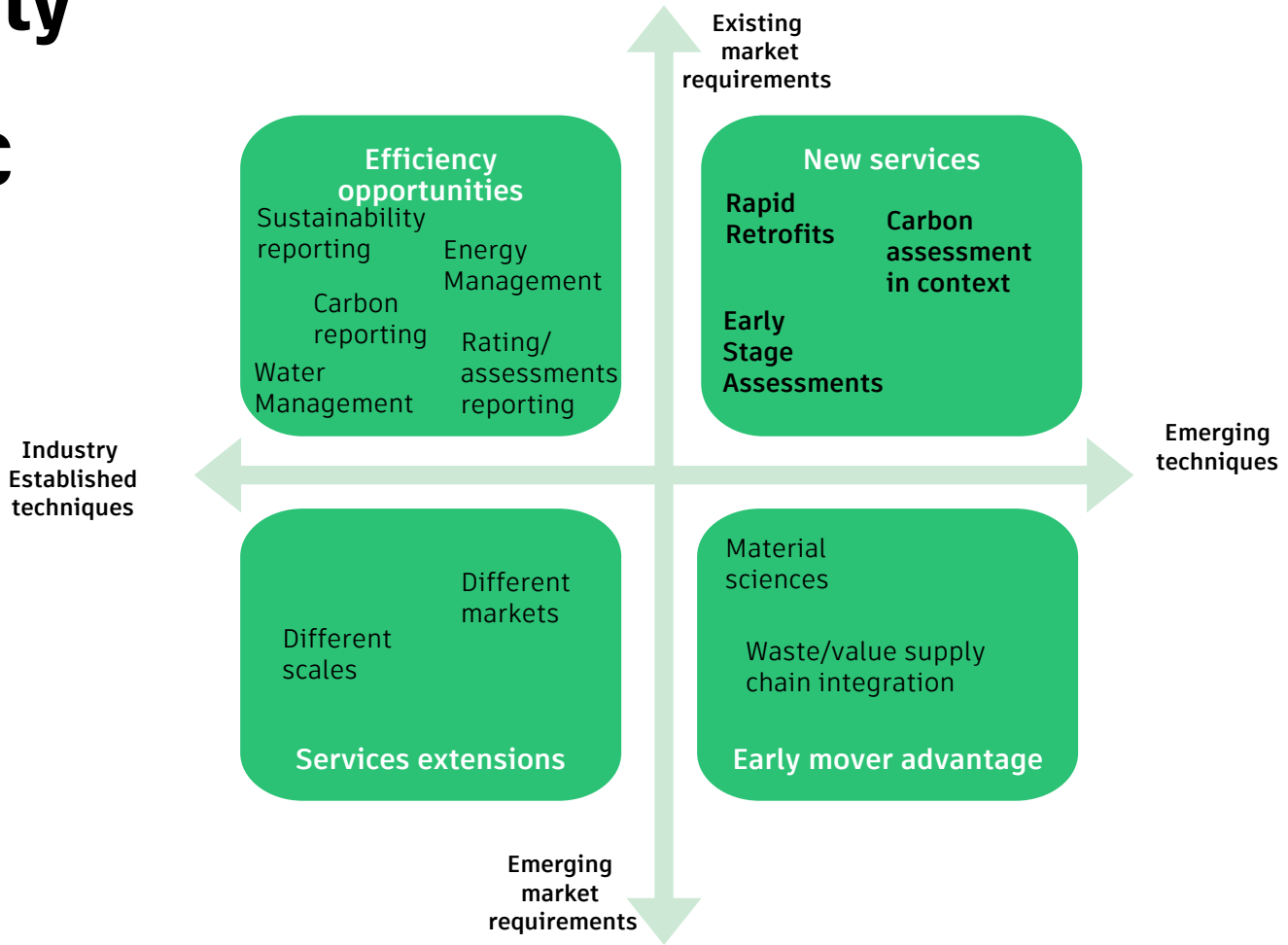
Others
Plastic piping
Geotextile
Galvanized steel
Reinforcement steel
Crushing plan
Asphalt
Trucks
Excavators and haulers
Concrete

Ida Karlsson, Chalmers University of Technology, Decarbonization of construction supply chains, 2020



Ida Karlsson, Chalmers University of Technology, Decarbonization of construction supply chains, 2020

Sustainability Opportunity Landscape & Innovation



Q ₵ A



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