

# Six Steps to Turn Foresight into Roadmapping

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FORESIGHT TO ROADMAP

6 Steps to Capturing Bigger Opportunities









Your Hosts



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## Carlisle Companies NYSE:CSL





Leading manufacturer and supplier of premium single-ply roofing products and accessories for the commercial building industry, including TPO & EPDM Membranes, Polyiso insulation, and engineered metal roofing and panel systems.





# Carlisle Global Production Footprint







### Carlisle Construction Materials





Leading manufacturer and supplier of premium single-ply roofing products and accessories for the commercial building industry, including TPO & EPDM Membranes, Polyiso insulation, and engineered metal roofing and panel systems.







Innovation-Driven Growth and Price Premium Propelled by Energy-Efficient and Labor-Saving Solutions



Energy Efficiency



Labor Savings



Integrated Solutions





# Situations for Carlisle

Why an urgency for Carlisle to explore Next-Gen Roofing Solutions

- Last major disruption was TPO 30 yrs ago
- Profits are at risk of eroding without transformational innovation
- Labor has hit a tipping point in impact on customers' businesses
- Sustainability is a key to CSL and customers urgency with uncertainty
- Material innovation remains essential while exploring new opportunities





- What is the future of the commercial roof?
- What is Carlisle's vision for its role in that future?
- Where is there true opportunity?
- What is beyond material innovation?
- How do we get to roadmaps...and move from Saying to Doing?

# **Big Questions**

for Carlisle Commercial Roofing



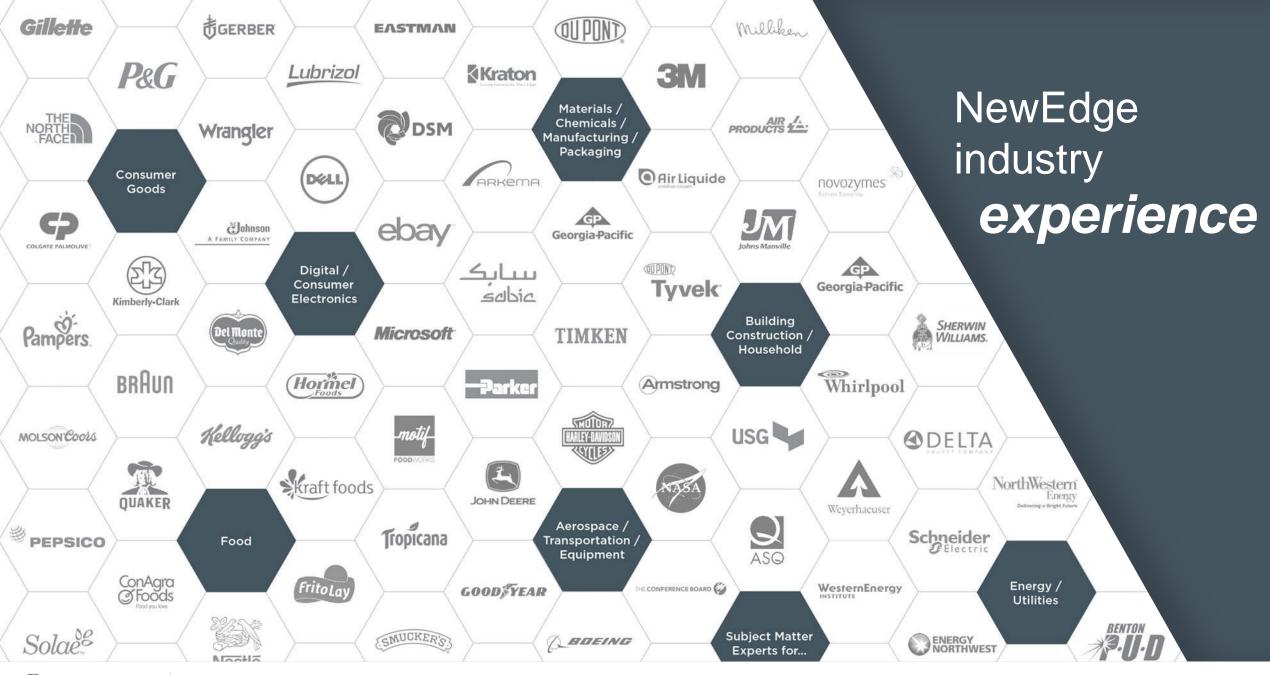




About NewEdge











NewEdge is the growth and innovation strategy firm that anchors growth in opportunity









# You can kill an IDEA...

but you can't kill an

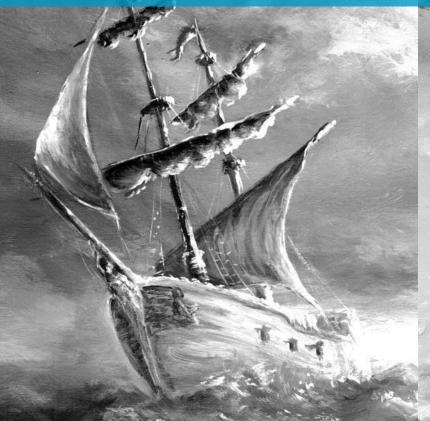
# **OPPORTUNITY!**





# Opportunity =







needs of the market

+

value propositions



the right conditions





# Today's topic...

How should companies move from foresight to roadmap?

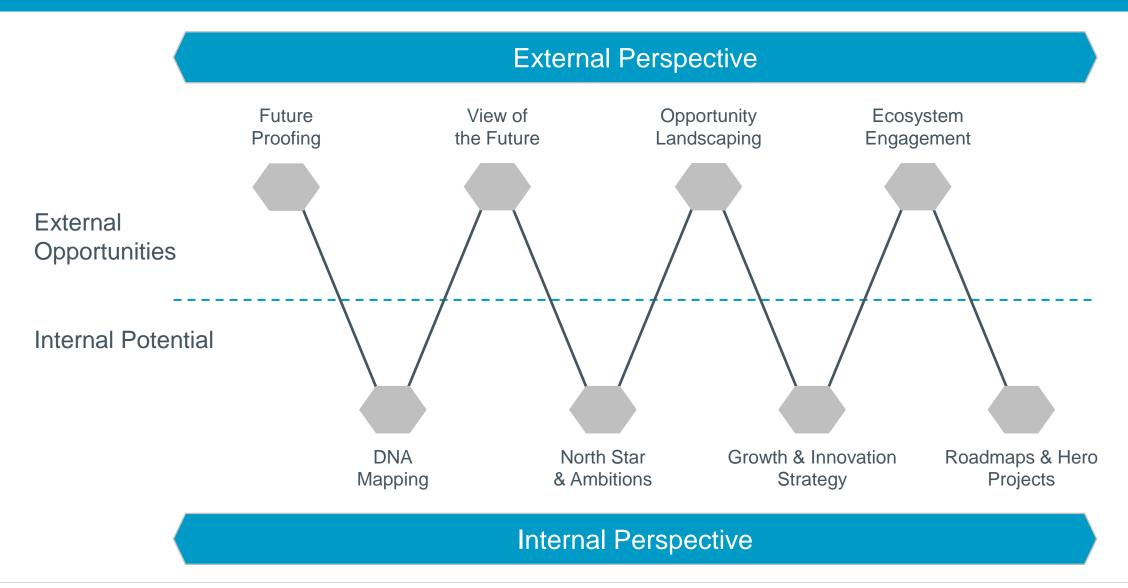


What are the steps to help capturing bigger opportunities?





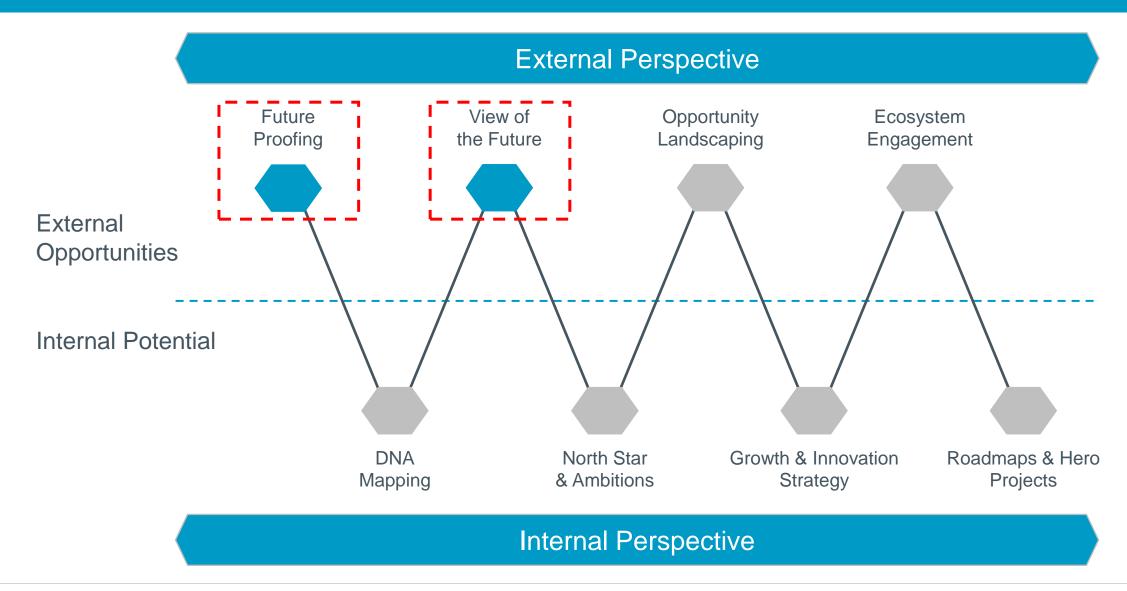
# Opportunity-Driven Growth Process







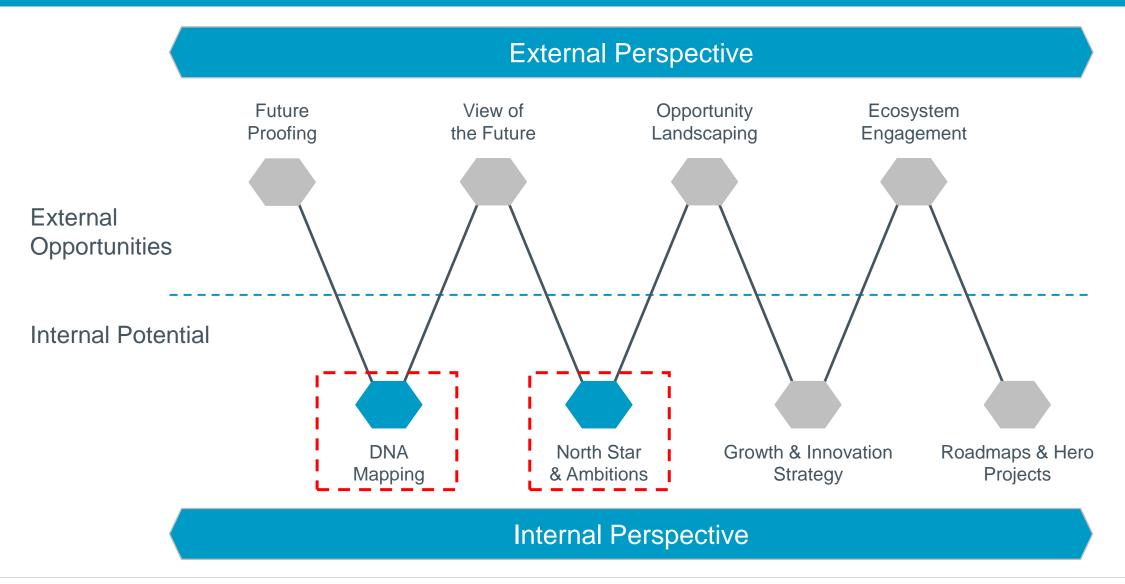
# Step #1 – Looking at the Future







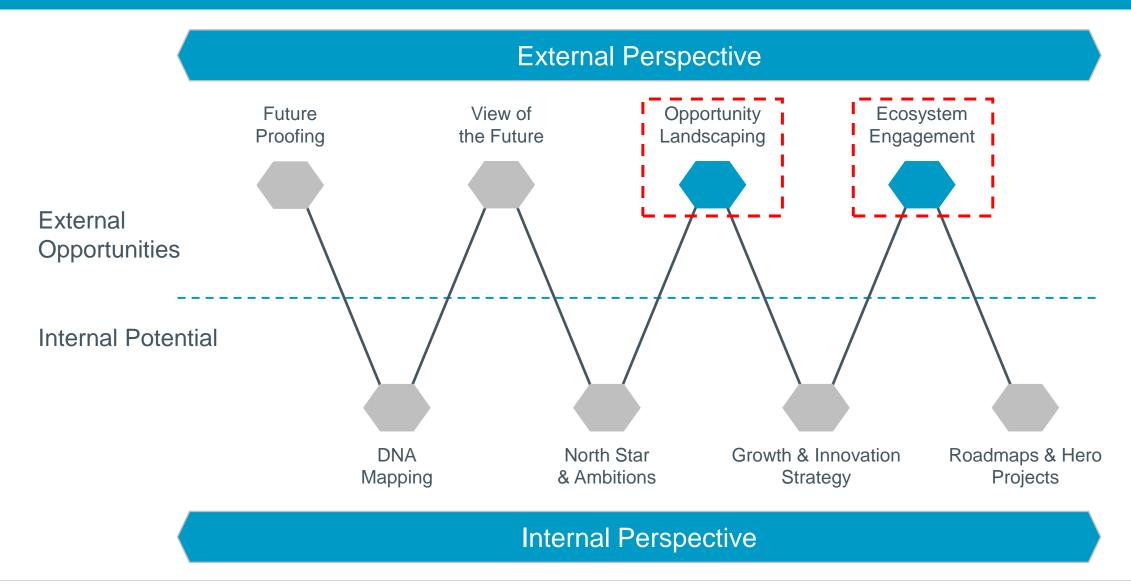
# Step #2 – Understanding Company's DNA







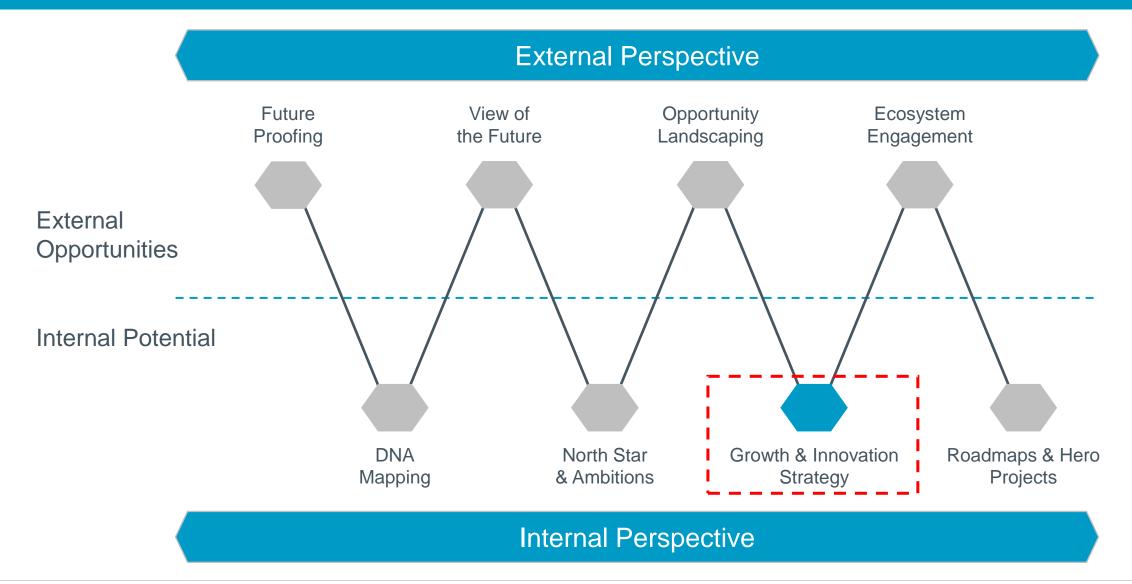
# Step #3 – Clarity through Voice of the Ecosystem







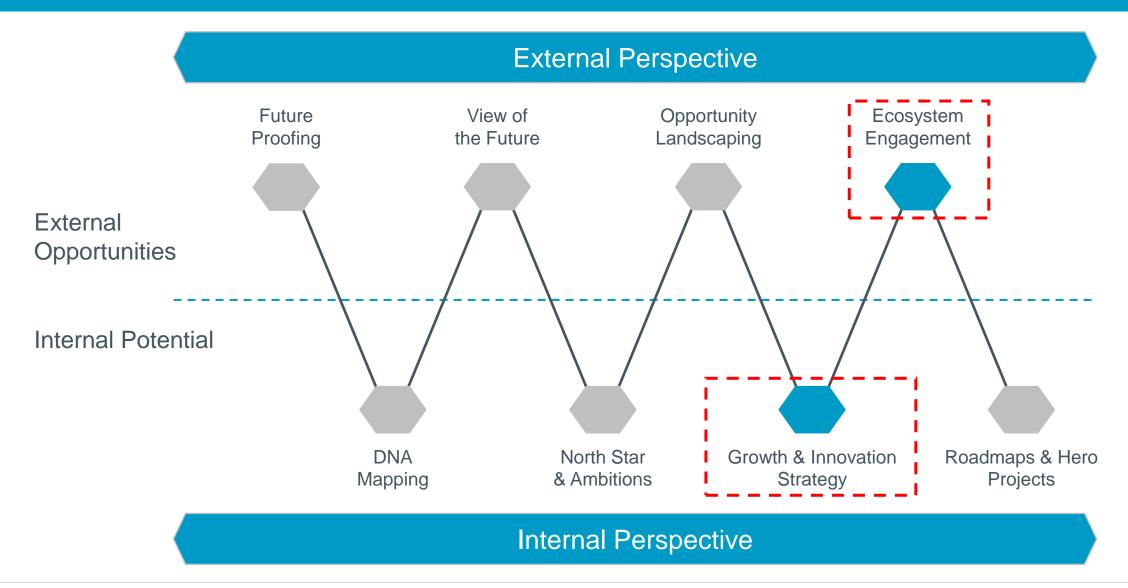
# Step #4 – Forming the Opportunity Strategy







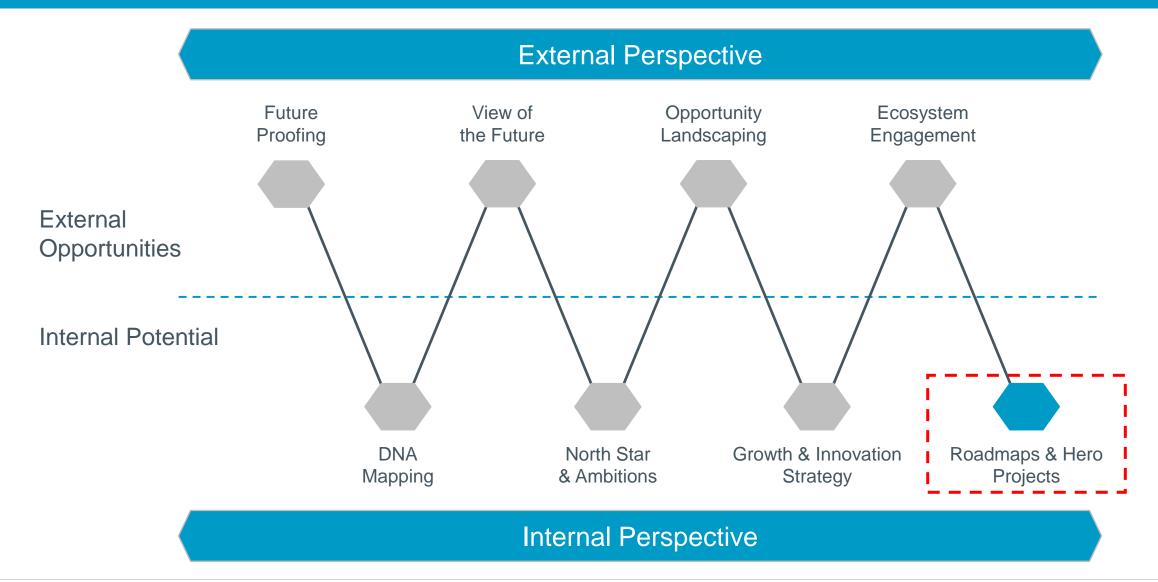
# Step #5 – Vetting with the Ecosystem







# Step #6 – Portfolio Mapping: Present and Future







Step #1
Looking at the
Future







# A System View of The Future



Future Proofing Landscape™





# A System View of The Future







# Top 10 Themes



Material Breakthrough



Flexible Building Assembly (On- and Off-site)



Rethinking Ownership & Business Models



Evolving Energy Landscape



Hands-free Job Site



The B2B/B2C Blur



Modernized Training & Operations



Regional & Functional Segmentation



Multifunctional Building Surfaces



Self-contained Building System









Future Proofing Playbook™





# Aligned

# View of the Future

# Foresight: A System View of The Future

### Outcome

### Learnings

### Pitfalls

- Broad team involvement in the evaluation of 370+ trends
- Organizational alignment and shared language around impactful trends

- Change creates opportunities
- Diverse perspectives around the story of the future creates organizational clarity
- Innovation leaders can tell a clear story to inspire confidence
- When you can't interview your future customers, leverage
   Future Proofing

- Lack of follow up with those who provided input
- Not leveraging the outcome to build action plans
- Leaving out key stakeholders





Step #2 Understanding Company's DNA





# Identifying DNA and Growth Ambition

- Essence of the company beyond products and markets
- Alignment on who we are today and what our future vision looks like
- Prioritize opportunities and elevate growth in new areas







#### DNA IMPACT TRENDS **AMBITION** Proactive, **Passive** Proliferation of Al Resilient **Protection** Climate change Protection from & Frequent extreme weather from the for the Living building designs Environment Environment

6 other DNAs and corresponding Ambitions representing the Business, Function and Materials...

# Carlisle can evolve its DNA

to drive the future of the roof





### DNA to Ambition: A Direction to Take

### Outcome

### Learnings

#### Pitfalls

- Organization

   alignment on what
   the future business
   looks like
- Clear language around who we are and who we aspire to be
- Connection to Future
   Proofing by
   identifying trends
   that will take us to
   ambitions

- Clear ambition strengthens business strategy
- Ambition can be leveraged for organizational culture mission, vision, purpose
- Powerful opportunity to say what we aren't going to be
- Helpful to have a neutral party forcing executive level dialogue

- Not connecting ambition outcomes to business strategy
- Leaving key
   stakeholders out of
   planning workshops





Step #3
Clarity through
Voice of the
Ecosystem







# Various Ecosystems beyond Customers



Participants |

Influencers

Observers









#### **BotBuilt**®

# Engage the Ecosystem in Different Ways































# Voice of Ecosystem: Insight for Transformation

### Outcome

### Learnings

### Pitfalls

- Insight beyond VOC
- Diverse perspectives from people that see beyond the customer
- Identify H1 to H3 opportunities
- Stretch business model innovation
- Timing and Attractiveness of opportunities

- Identified three elements of opportunity Needs + Value
   Prop + Conditions
- Needs far outstretch what incremental innovation can deliver
- Conditions ripe for transformation
- Connections opened doors for collaboration
- Translates trends into opportunities

- Access to expertise more challenging
- Organizations do not curate their ecosystems
- Connections needs to be maintained





Step #4 Forming the Opportunity Strategy





#### Leveraging Insights to Build out Opportunities

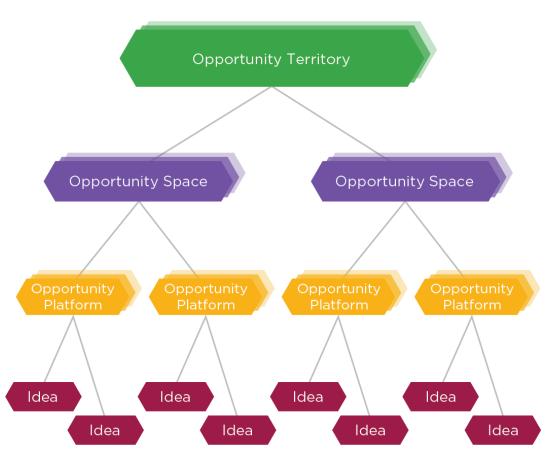






#### Landing on 6 Big Opportunities

#### Translate Opportunities into Spaces & Platforms



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#### Next-Gen Growth Strategy Delivering the roof of the future that is proactive, resilient, sustainable & easy to Install through next-gen materials & beyond Transformational Growth Vision Carlisle will leverage its legacy, expertise and position to lead the rooting ecosystem and create the next generation of rooting systems. The organization will achieve incremental and transformational growth by aligning around Opportunities in next-perimaterials and beyond. ...is the culmination of insights from Carisse team members. external research, trends analysis and ecosystem feedback and collaboration. The result is strategic direction and growth opportunities for next-gen

#### Opportunity Spaces & Value Propositions

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#### Opportunity Landscaping: The Power of Focus

#### Outcome

#### Learnings

#### Pitfalls

- Leadership alignment on the "top few" opportunity territories, including new
- Consensus on potential value and fit of opportunity territories
- Connection of opportunity territories to company DNA and ambition
- Identification of key enablers

- Workshop setting allows for maximum shared understanding & ownership
- Results lay the groundwork for future business decisions
- Saying NO to an opportunity is as important as saying yes

- Not regularly reinforcing the outcomes with leadership
- Not communicating the result widely in the organization
- Not asking for specific commitment from senior leaders
- Leaving key stakeholders out of planning workshops





Step #5
Vetting with the Ecosystem







#### Vet the Opportunities across Ecosystems

**Architects** 

Building Efficiency Engineers

**Distributors** 

Roofing Licensing

Manufacturers

Solar Energy Companies

Contractors

Regulators





# Engage the Ecosystem in Different Ways







Immersion & co-creation

Continuous learning

Testing & sizing

Insight gathering





#### Voice of Ecosystem: Insight for Transformation

#### Outcome

#### Learnings

#### Pitfalls

- Strong network of ecosystem stakeholders with lasting value
- Specific, direct feedback to calibrate innovation strategy and generate concepts
- Executive level exposure to industry peers and influencers

- There is no substitute for face-to-face insight collection
- The ecosystem view of our company is different than our internal view
- Identification of, or validation of opportunities that would normally be overlooked
- Organizational bias is real

- Concern for IP can derail effort
- Not leveraging the ecosystem beyond the initial research
- Leaving key stakeholders out of planning workshops
  - Do more than one session go to Ecosystem Co-creation





Step #6
Portfolio Mapping:
Present and Future







#### Common

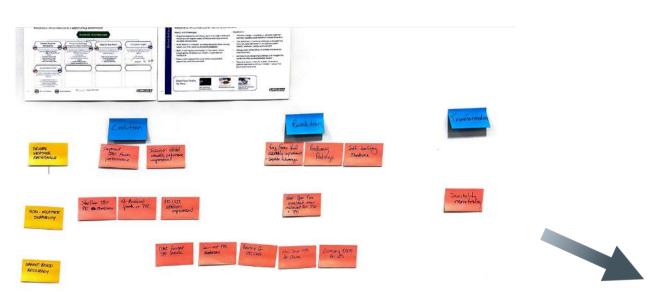
## **Challenges**of Creating Roadmaps

- Technology / Product / Project Roadmaps exist (or don't) across the organization but are not aligned
- Organizations often lack uniting framework to sequence opportunities rather than projects
- Roadmaps around spaces build a pipeline from Horizon 1 to Horizon 3



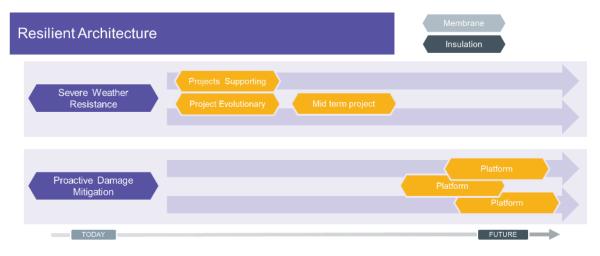


#### Portfolio Mapping against Opportunities





With the opportunity strategy in place, teams road mapped spaces and sequenced projects within them... leading to clarity on H1, H2, & H3







#### Portfolio Mapping: Innovation Action Plan

#### Outcome

#### Learnings

#### Pitfalls

- Alignment of active projects
   & concepts VS landscape
- Identification of gaps in landscape where explore activity is needed
- Visibility of portfolio value across innovation horizons

- Integration of opportunity landscape with concept ideation, ranking, and validation ensures focus
- Including larger team in roadmap creation helps with buy in
- Roadmaps must be living documents
- Roadmaps must exist at different levels of resolution

- Allowing old or adjacent roadmaps to persist
- Not establishing research plans for unexplored territories and spaces
- Not working to unify innovation language
- Mapping solutions rather than opportunities





#### Recap: 6 Steps from Forecast to Roadmap



- 2. Map to company DNA to make choices
- 3. Create opportunities with Voice of the Ecosystem
- 4. Form the Opportunity Strategy & Hierarchy
- 5. Vet with the Ecosystem
- 6. Build & RoadMap Portfolio: Horizon 1, 2, & 3

#### Questions?







### Thank you!

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