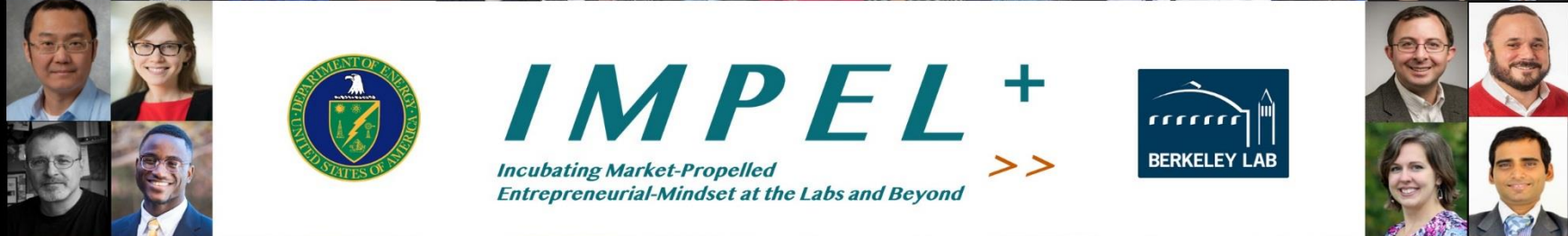


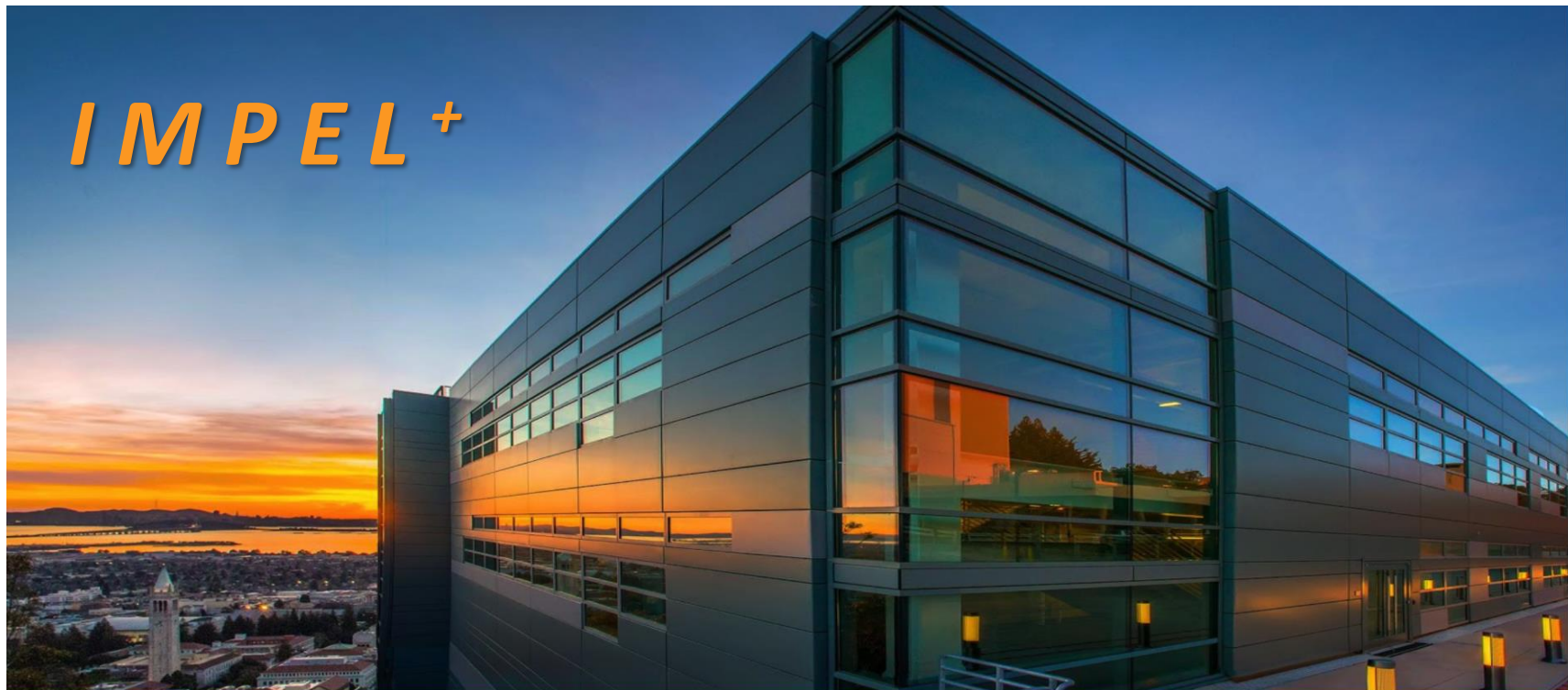


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IMPEL *Your Innovation*

e. impel@lbl.gov

| w. impel.lbl.gov



U.S. DEPARTMENT OF
ENERGY

Office of
ENERGY EFFICIENCY &
RENEWABLE ENERGY

Alex Fitzsimmons

Deputy Assistant Secretary
for Energy Efficiency
U.S. Department of Energy



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Mary Hubbard

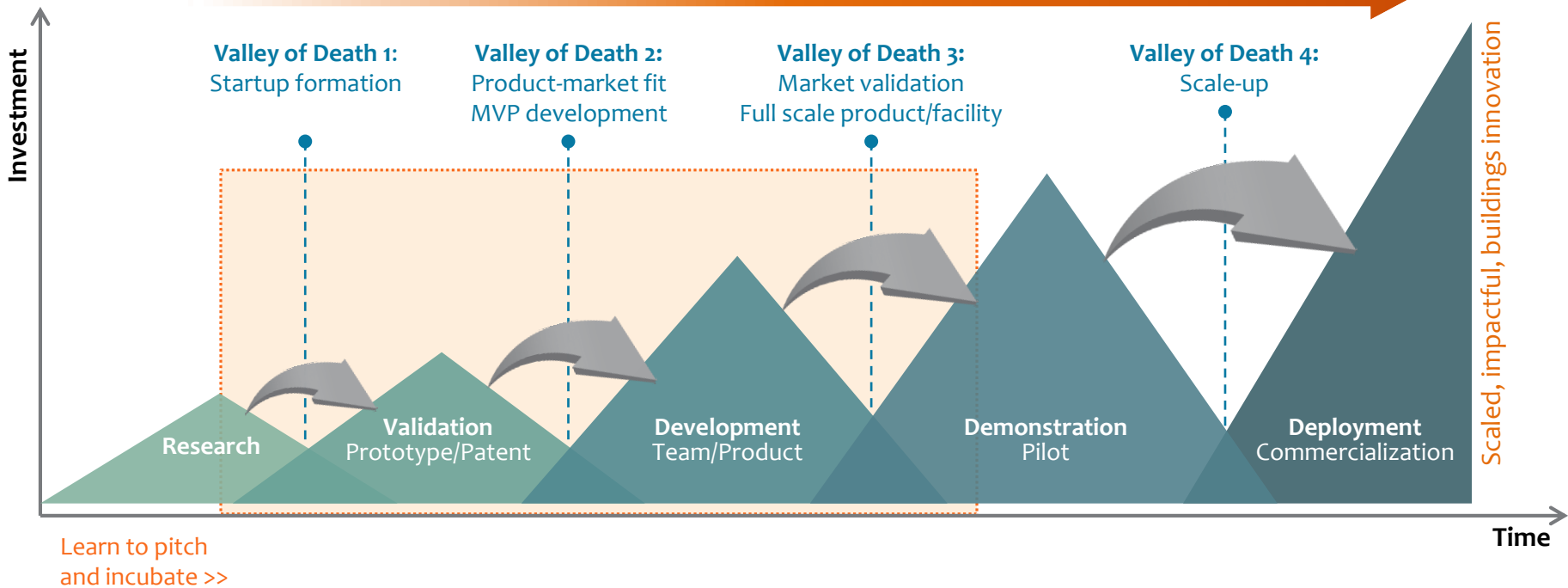
Technology-to-Market Manager
Building Technologies Office
U.S. Department of Energy



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IMPEL YOUR BUILDING INNOVATION



Adapted from Rocky Mountain Institute, 2020

IMPEL SUPPORTS BUILDING INNOVATION-TO-MARKET



IMPEL+ Expert Mentor Panel



Alexandria Lafci
New Story
Co-Founder and COO



Erin Keys
Austin Technology Incubator
Director of Sustainability



Kipp Bradford
Treau
Chief Technology Officer

Reshma Singh

Program Director

IMPEL+

Lawrence Berkeley National Lab



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IMPEL+: Value

□ Coaching

- World-class
- Live Feedback
- Value Proposition

□ Networking

- High-quality
- Building lifecycle
- Public + private innovators

□ Access

- Twin pipelines
- National Pitch Showcases
- ATI-IMPEL Summer Accelerator



IMPEL+: Value



□ Look-back

- 75 Innovators: Mindset and skillset development
- Success stories:
 - Grants, private funding, prizes, manufacturing partnerships, pilot demonstrations
- Engaged, networked cohorts

□ Look-ahead

- Three virtual workshops
- Twin pipelines
- Deeper private-public collaboration



Poll Q1

Who are you?

- Industry
- Government/National Lab
- Small business
- Academia
- Private Funder
- Incubator / Accelerator
- Other _____

IMPEL+ Innovators



Erik Page

Blue Iris Labs
Improved
Occupant Health
Using Circadian
Active Lighting
Control



Wale Odukamai

NREL
New PCM for 3D-Printing of
Thermal Energy Storage



Elise Strobach

Aeroshield
Clear, Super-
Insulating Aerogel



Steve Norwood

Norwood Architecture
Dryside Cladding



Luis Fernandes

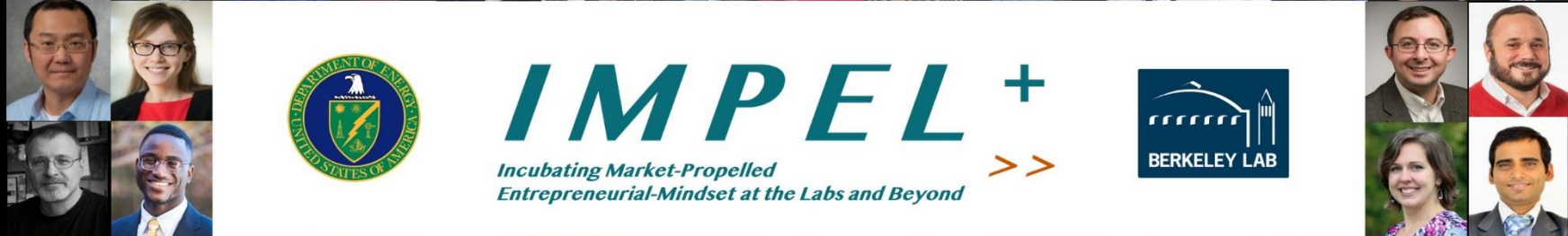
LBNL
Deep Daylight-
Redirection Blinds





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IMPEL Successes



Source: LBNL

Mark Isaacs
Wonder Window
SBIR grant

Daniel Gerber
Verify Energy
American Made Solar Prize Finalist

IMPEL Successes



Elise Strobach,
Clear, Super-Insulating Aerogel
Activate Fellowship,
Pre-seed funding



Nora Wang, Mark Borkum, PNNL;
Harry Bergmann, DOE
Universal Building ID (UBID) software
piloted at Washington DC

IMPEL Successes



Namit Singh, Microgrid Lab Solutions

DERCAM User Interface

Technology Commercialization Fund Award
in partnership with LBNL



Robert Hart, Howdy Goudey, LBNL

Thin Triple Windows

Partnership with three window
manufacturers

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Announcement



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BUILDING TECHNOLOGIES OFFICE PEER PREVIEW**

ON NOVEMBER 17, 2020



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David Nemptzow

Director

Building Technologies Office

U.S. Department of Energy



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