



Center of Excellence for Concrete  
Preservation and Service Life Extension

# SHAPING THE FUTURE OF CONCRETE PRESERVATION

“In reality, the most sustainable,  
low-carbon concrete structure is  
often the one already built.”



# Sustainability

WHY IT MATTERS FOR YOUR BUSINESS

Sustainability is defined as: “the integration of environmental health, societal and economic vitality to create thriving, healthy, diverse and resilient communities for this generation and generations to come”.

- + Enhanced financial & operational performance longevity
- + Enhances brand reputation and customer loyalty
- + Attracts and retains talent
- + Risk management and compliance



# Why Service Life Extension?

THE FOUNDATION OF SUSTAINABILITY



- + Service Life Extension is a net reducer of CO<sub>2</sub> emissions
- + For every day we keep our current concrete inventory in service we save *6.6 million tons* of CO<sub>2</sub> emissions (in the USA)
- + Service Life Extension saves natural resources for future use and offsets the need to demolish and replace structures we already have

## SERVICE LIFE EXTENSION IS THE FOUNDATION OF SUSTAINABILITY



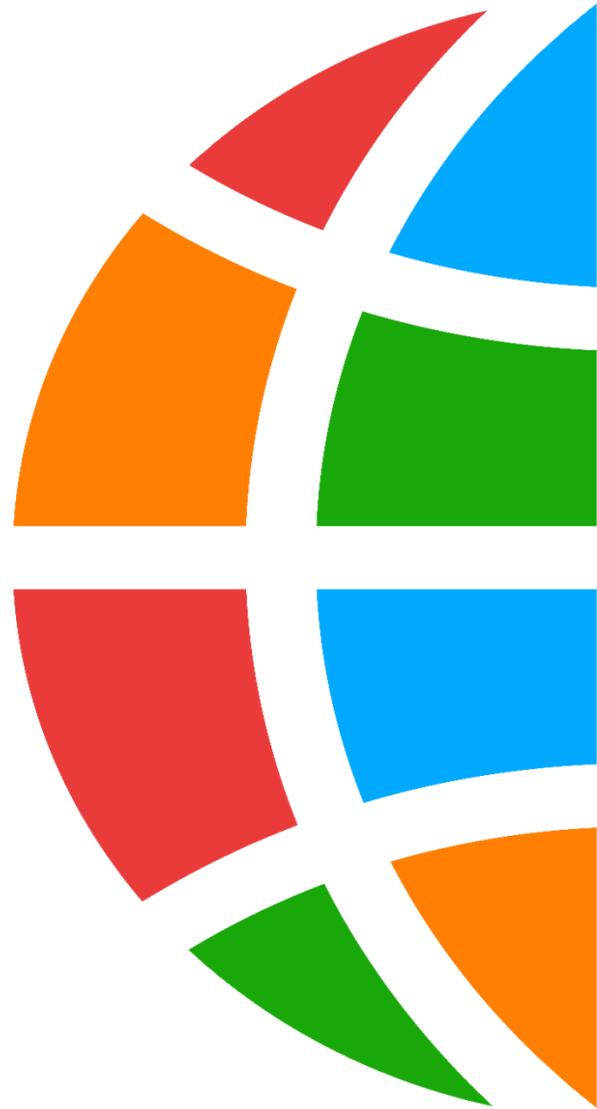
USA produces  
**400 MILLION**  
cubic yards of  
concrete per year  
(2.3% of global  
production)

**12 BILLION**  
cubic yards of concrete  
in service in USA (~2.4  
Billion ton CO<sub>2</sub> footprint)

Extending the service life  
of the existing concrete  
inventory by one day  
prevents **6.6 MILLION**  
tons of CO<sub>2</sub> emissions  
(net decarbonization).

# Join the Movement

SHAPING THE FUTURE OF CONCRETE PRESERVATION

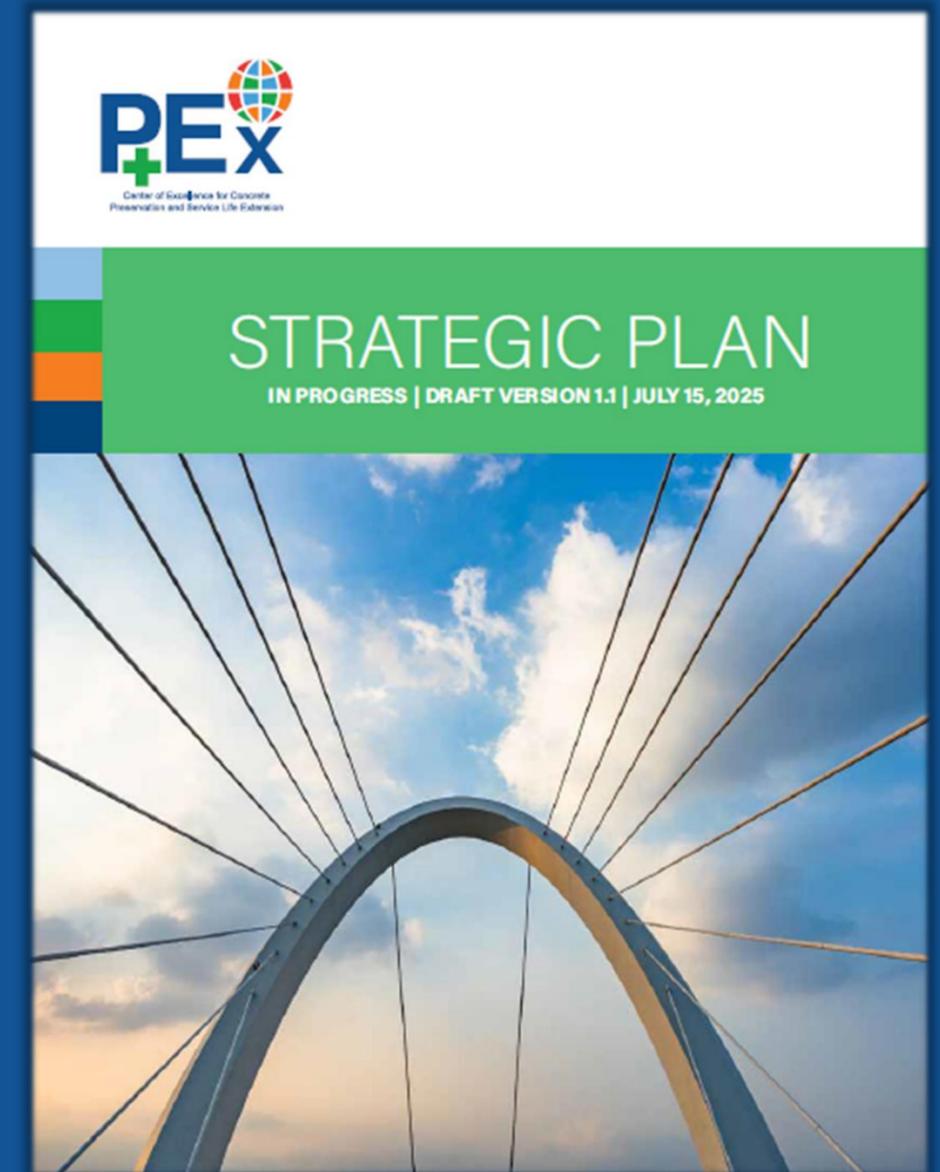


- + P+Ex is a non-profit center of excellence; serves as industry advocate for responsible stewardship of the built concrete environment
- + P+Ex promotes and leads proactive actions to extend the service life of existing concrete structures while contributing and to development of new sustainable solutions for our society

# Why P+Ex?

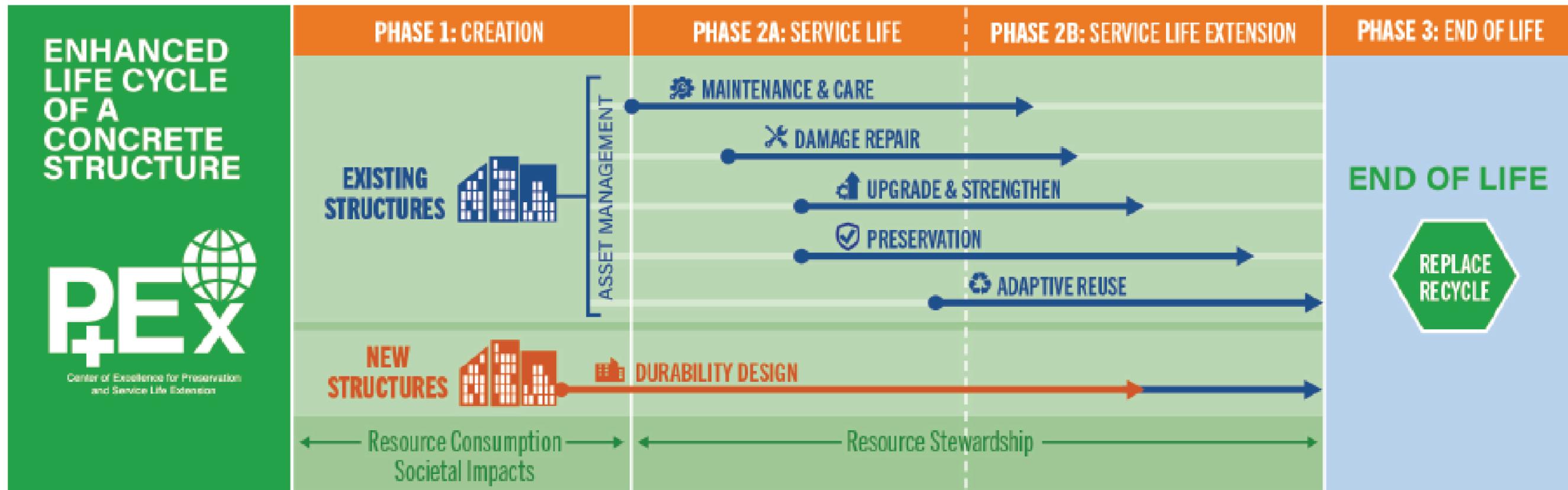
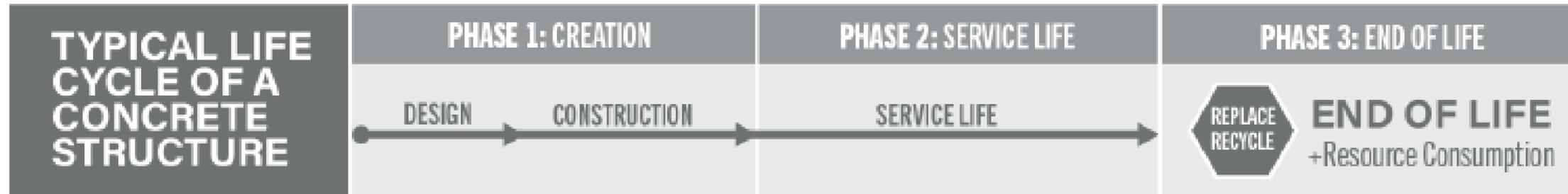
PRESERVE AND EXTEND SERVICE LIFE OF CONCRETE

- + Serves as a collaborative platform with a shared mission across the construction industry to advocate service life extension of concrete
- + Provides technical guidance and credible and quantifiable evidence for the societal, environmental and economic benefits of enhanced service life of concrete structures
- + Helps owners, engineers, policy makers and all stakeholders manage concrete structures as long-term and valuable assets



# Why P+Ex?

**PRESERVE AND EXTEND SERVICE LIFE OF CONCRETE**



**KEY:**  Existing Structure Strategies  New Structure Strategies

# Join the Movement

SHAPING THE FUTURE OF CONCRETE PRESERVATION



- + Visit our site – [www.pexcoe.org](http://www.pexcoe.org) today
- + Click the GET INVOLVED button

A screenshot of the PEX website's 'Join P+Ex' page. The page features a dark header with the title 'Join P+Ex in Shaping the Future of Concrete Preservation'. Below the header, there is a main text block inviting users to join the network and participate in roadmapping sessions. A 'MEMBERSHIP TYPES' button is visible. At the bottom, there is a form with two input fields for 'First Name' and 'Last Name'. On the left side of the page, a vertical navigation menu includes links for 'ABOUT', 'STRATEGIC PLAN', 'OUR WORK', 'KNOWLEDGE HUB', 'NEWS &amp; UPDATES', and 'CONTACT US'. The 'CONTACT US' link has a 'GET INVOLVED' button underneath it, which is circled in blue.