



## LOW CARBON PRODUCTS & SERVICES FOR PRESERVING THE BUILT ENVIRONMENT



# The collapsed condo was about to begin corrosion repairs.



- The New York Times, June 2021

We Prevent This  
From Happening!

C-PR<sup>o</sup>BE





A low-angle, upward-looking photograph of several tall, multi-story brick buildings in an urban setting. The buildings are constructed of reddish-brown brick and feature numerous windows, some of which are reflecting the sky. The perspective creates a sense of height and scale. A semi-transparent dark blue rectangular box is overlaid in the center of the image, containing white text.

**We monitor and control  
corrosion in buildings  
and infrastructure**



## LoCem<sup>®</sup>: Low Carbon Cementitious Anodes




## Achilles<sup>™</sup>: Sensors & Control Network Electronics

## AiMS<sup>™</sup>: Online Performance Control & Reporting System

**AiMS**  
**C-Probe.com**  
The informed choice





**70%**  
of infrastructure damage is due to  
**CORROSION**





**\$850 billion**

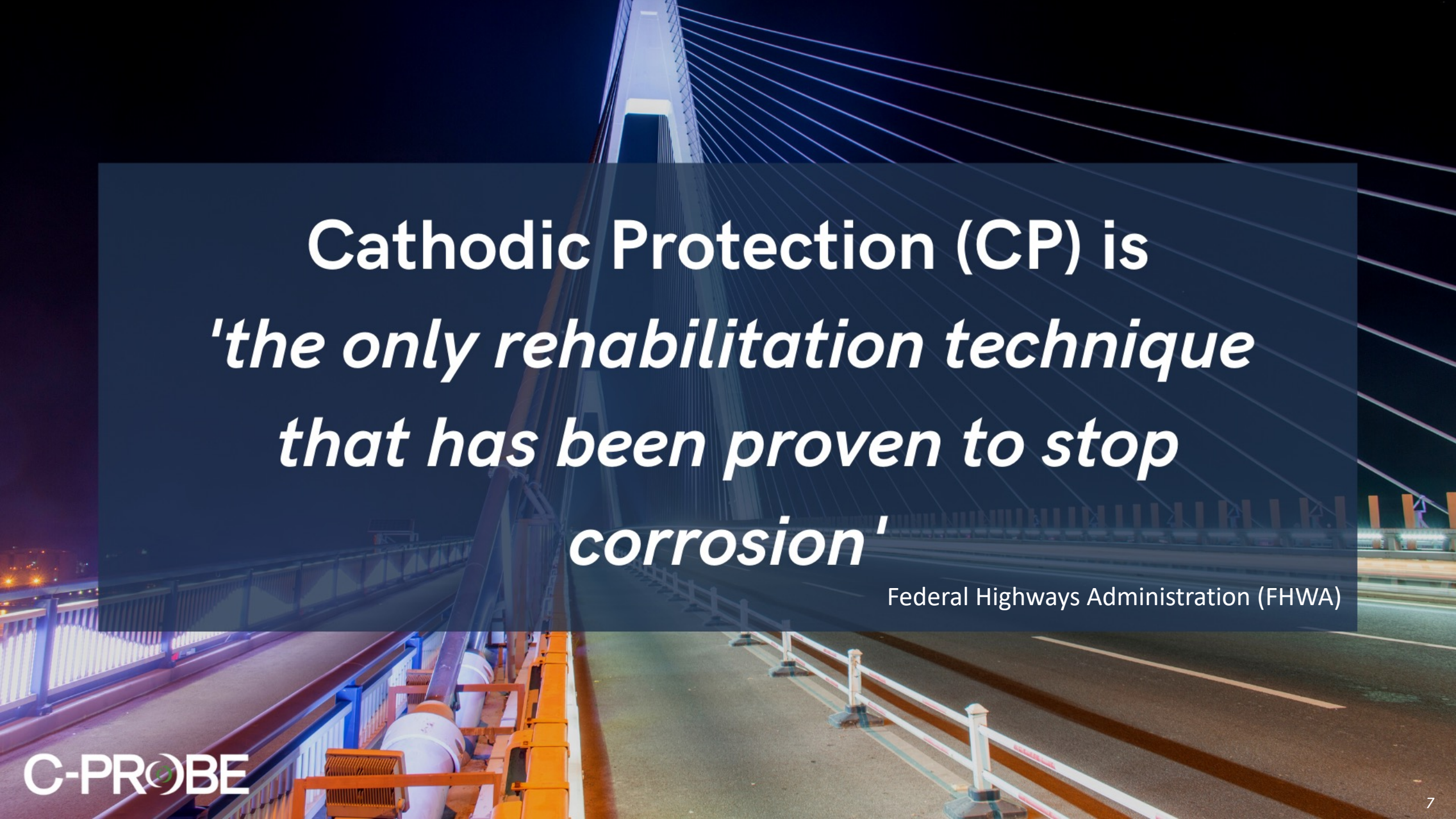
saved per year in the USA if

**CONTROL SYSTEMS**

were adopted

NACE 2021





Cathodic Protection (CP) is  
*'the only rehabilitation technique  
that has been proven to stop  
corrosion'*

Federal Highways Administration (FHWA)

## Think of us as pacemakers for structures...



The pacemaker (anode)  
is inserted...

An electrical current is  
passed turning the  
steel to a cathode so it  
cannot corrode

Resulting in an extended  
life-span!







**100yrs old and  
derelict..**

**..restored and  
preserved for  
another  
century!**



save up to **90%**  
on restoration costs  
against traditional methods





# 100%

## Protection for Whole Life



**Repair, Protection & Strengthening of  
Existing Structures**

**Cast-in as Components to New Structures**

**Disruptive Replacement of Portland Cement**

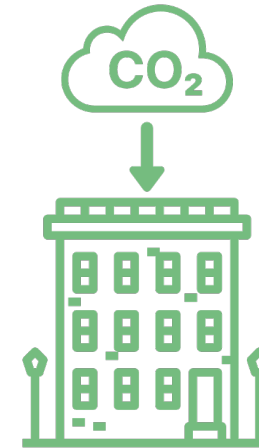






## Repurposing Industrial Wastes

## Securing Embodied Carbon

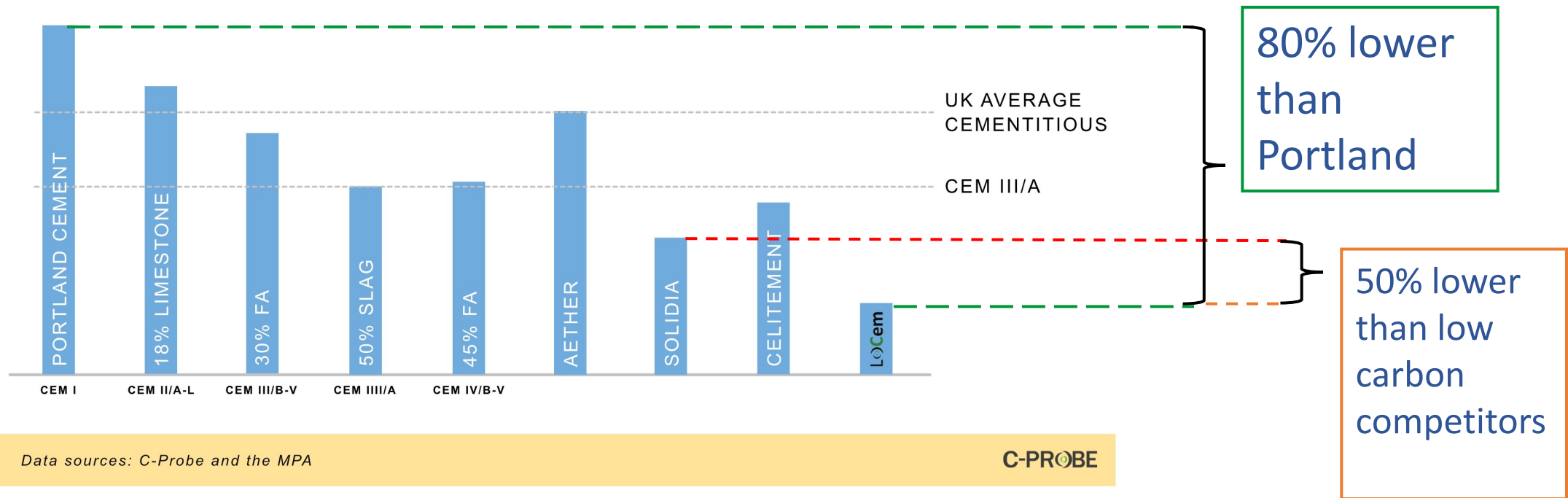


## Sustainability with Futureproofing



# LoCem® CO2e Comparison with other Cements

## EMBODIED CARBON OF UK CEMENTS VS. ALTERNATIVES



Smart Cities Need Smart Infrastructure





The background of the slide features a dramatic sky with large, billowing clouds in shades of orange, yellow, and grey, suggesting a sunset or sunrise. In the lower right corner, a portion of a tall, dark industrial smokestack is visible, with a plume of white smoke rising from its top. A large, semi-transparent dark blue rectangle is centered on the slide, serving as a backdrop for the main text.

We can save over a  
**GIGATON** of CO<sub>2</sub>e  
and a lot of money

A large concrete bridge with multiple piers spans a body of water. The bridge has a curved design and is supported by several tall, rectangular concrete pillars. The water is a deep blue, and the sky is a clear, bright blue. The bridge's structure is made of light-colored concrete, and there are some darker patches on the lower parts of the piers, possibly from water or algae. The bridge extends from the left side of the frame towards the right, where it curves away into the distance.

Over 100 structures restored  
with ongoing monitoring  
using C-Probe's technology





**RISE** AWARDS 2015



Smart Cities Need Smart Infrastructure



# Thank you for listening

How to get in touch:

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