International reference projects

Structural strengthening with FRCM systems





Metro North Railroad – NY (U.S.A.) Salisbury Mills - Cornwall Station

Building type: Railway bridge

<u>Year</u> 2010

Product:

PBO-MESH MX- PBO CONCRETE

Used for:

Piles repair/strengthening

Surface 2000 mg









Metro North Railroad - NY (U.S.A.) Salisbury Mills - Cornwall Station





Metro North Railroad - NY (U.S.A.) Salisbury Mills - Cornwall Station



Alpharetta (Georgia) USA

Building type:

Stonewalk lofts – Shear and flexural Strengthening of residential building

<u>Year</u>

2015

Product:

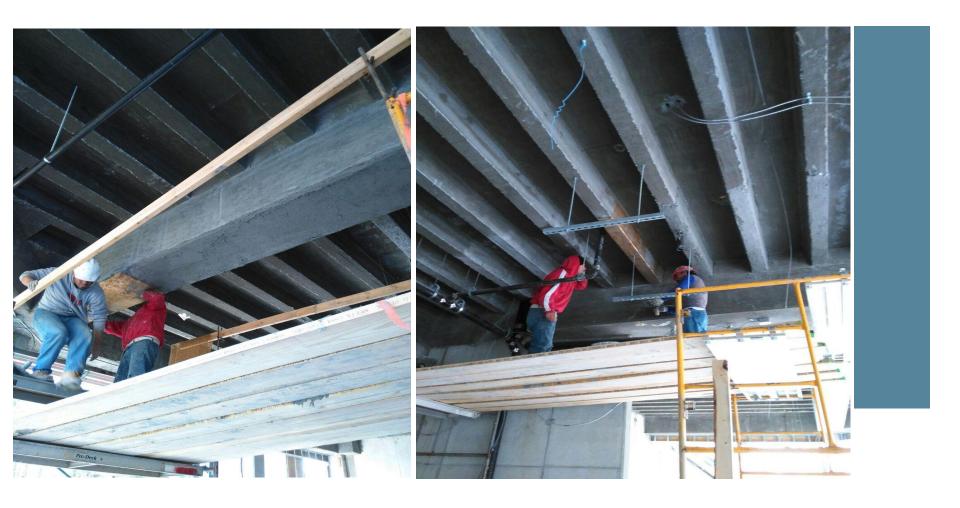
PBO-MESH MX- PBO CONCRETE

<u>Surface</u>

6000 sf











Moscow - Russia

Building type:

Office building – Increase load capacity on a concrete slab.

Year

October 2012

Product:

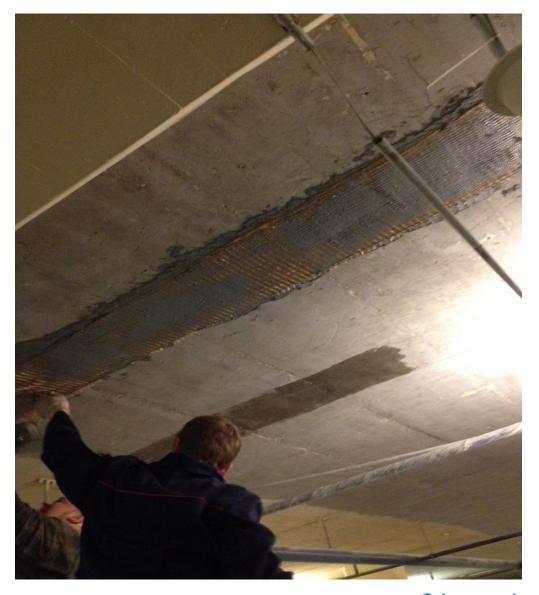
PBO-MESH MX- PBO CONCRETE

<u>Surface</u>

3000 sf













Structural Strengthening Office Building in Moscow - Russia



Novosibirsk (Russia)

Building type:

Bridge piles

<u>Year</u> Oct 2007

Product:

PBO-MESH MX- PBO CONCRETE

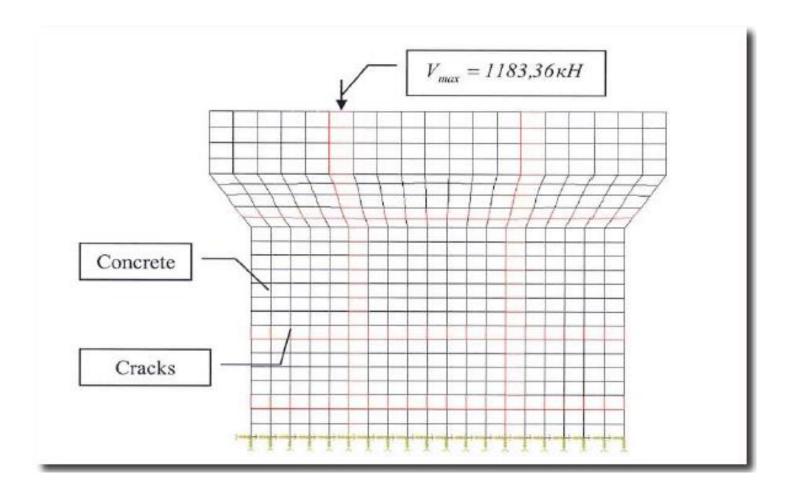
Used for:

Piles strenghtening

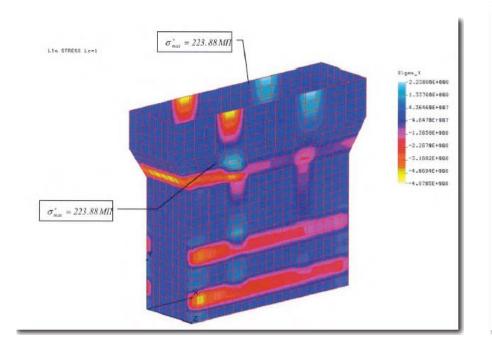
Surface 600 mg

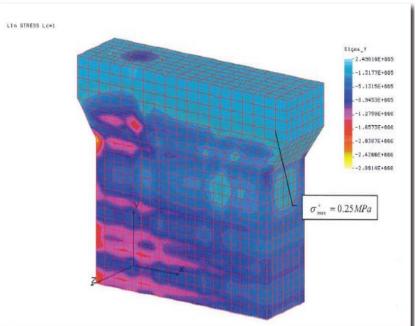




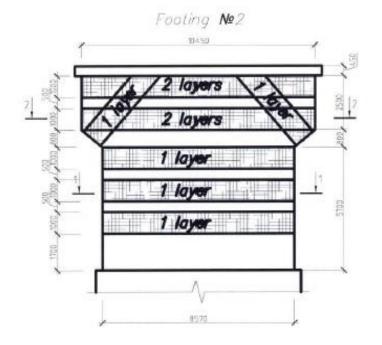


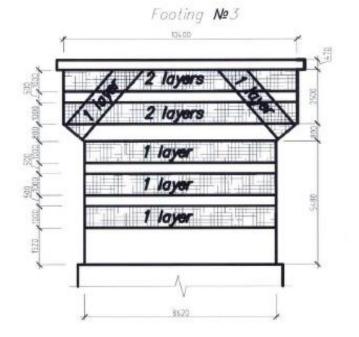


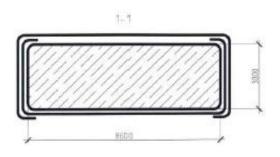


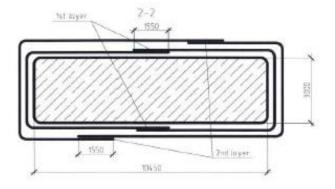














Bridge in Novosibirsk (Russia)









Structural Strengthening
Bridge in Novosibirsk (Russia)

Bergheim (Germany)

Building type:

Cooling tower

<u>Year</u>

Oct 2012

Product:

PBO-MESH MX- PBO CONCRETE

Used for:

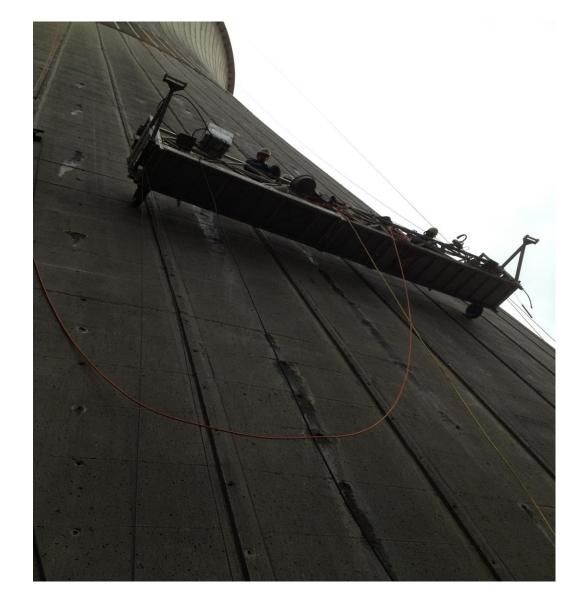
Structure repair and strengthening

<u>Surface</u>

1800 mg









Structural Strengthening Cooling tower - Bergheim (Germany)





Structural Strengthening Cooling tower - Bergheim (Germany)





Structural Strengthening Cooling tower - Bergheim (Germany)



Cooling tower - Puławy (Poland)

Building type:

Cooling tower

<u>Year</u> 2012

Product:

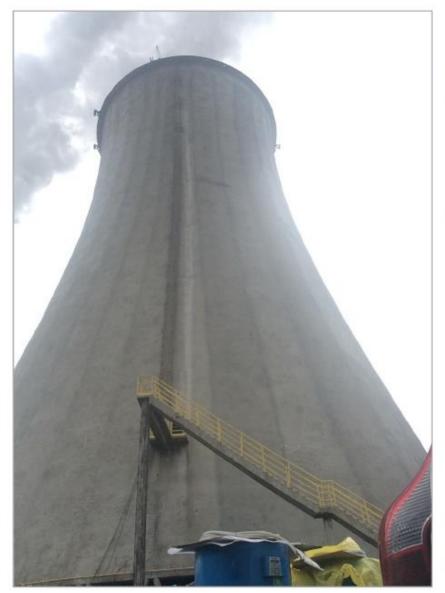
PBO-MESH MX- PBO CONCRETE

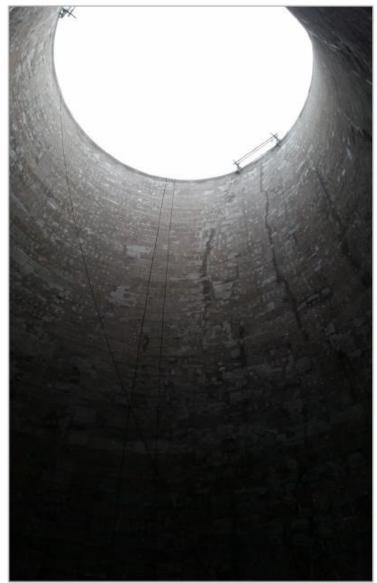
Used for:

Structure repair and strengthening



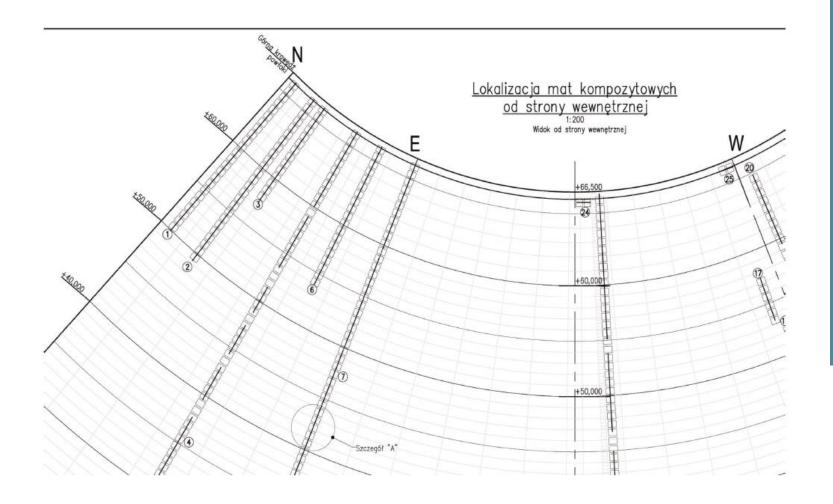






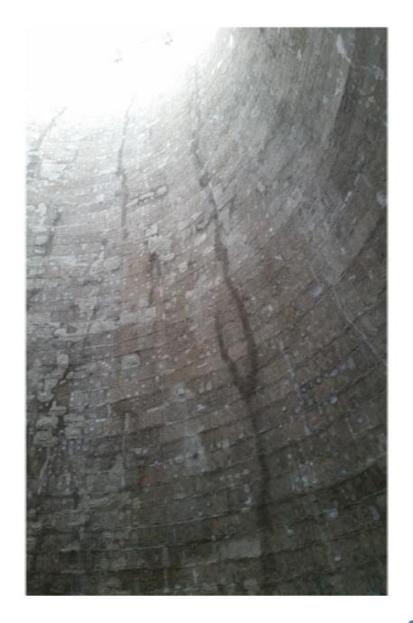


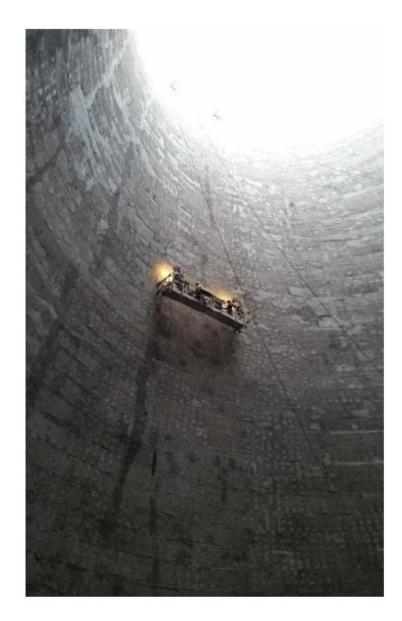
Structural Strengthening Cooling tower - Puławy (Poland)





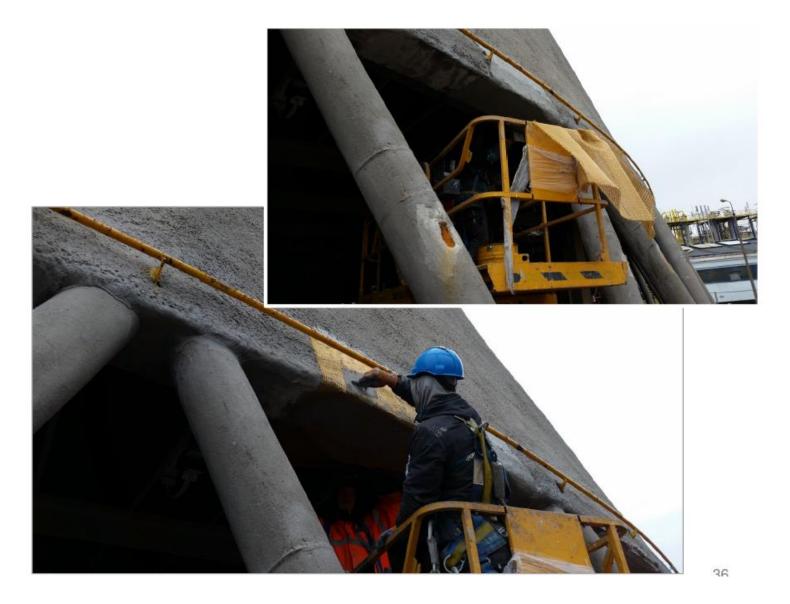
Cooling tower - Puławy (Poland)







Structural Strengthening Cooling tower - Puławy (Poland)





Cooling tower - Puławy (Poland)

Stru Athe

Structural Strengthening

Athens (Greece) - 2008

Building type:

Cooling tower

Year Oct 2008

Product:

PBO-MESH MX- PBO CONCRETE

Used for:

See drawing

<u>Surface</u>

2500 mg













Ożarów cement plant (Poland) Beam strengthening

Building type:

Industrial support structure

Year

Oct 2013

Product:

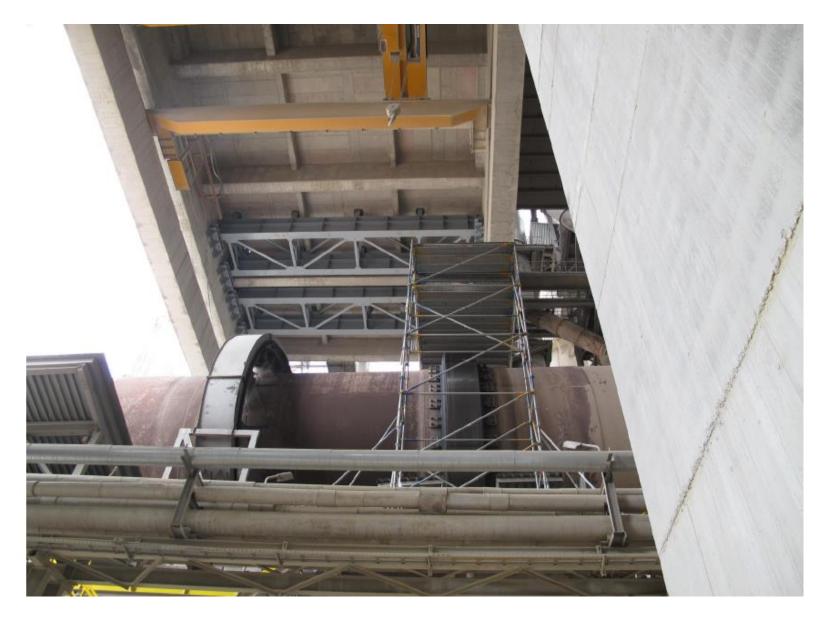
PBO-MESH MX- PBO CONCRETE

Used for:

Beam strengthening



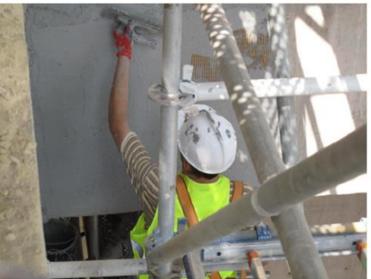






Ożarów cement plant (Poland)









Structural Strengthening
Ożarów cement plant (Poland)



Egnatia Odos Tunnel - Greece – 2008

Building type:

Highway Tunnel

<u>Year</u>

2008

Product:

PBO-MESH MX- PBO CONCRETE

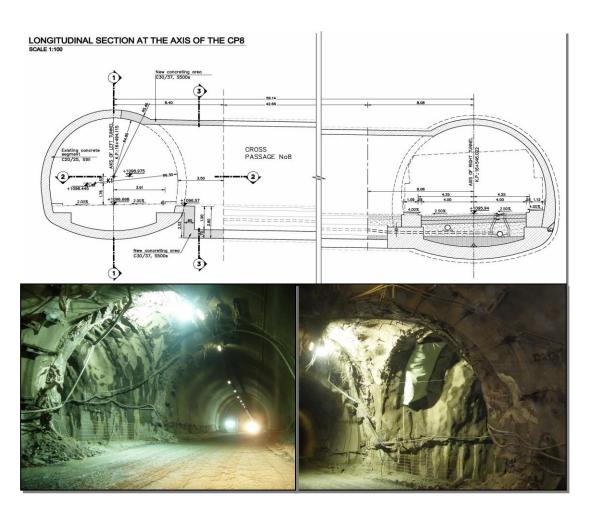
Used for:

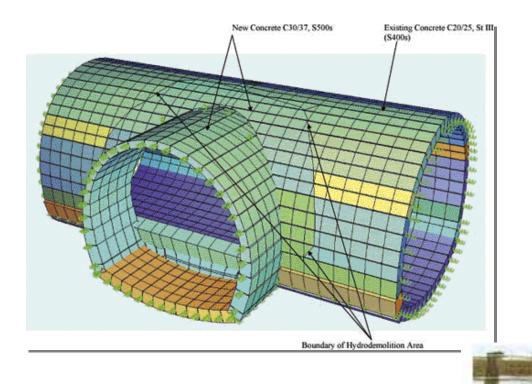
Cross passage surface retrofitting

Surface

12.000 mg









Egnatia Odos Tunnel - Greece – 2008





Structural Strengthening Egnatia Odos Tunnel - Greece – 2008





Structural Strengthening Egnatia Odos Tunnel - Greece – 2008







Structural Strengthening Egnatia Odos Tunnel - Greece – 2008





Structural Strengthening Egnatia Odos Tunnel - Greece – 2008

Titan Cement Company - Greece

Building type:

Cement Plant Silos

<u>Year</u> 2010

Product:

PBO-MESH MX- PBO CONCRETE

Used for:

Retrofitting silos roof and concrete walls

Surface 800 mg







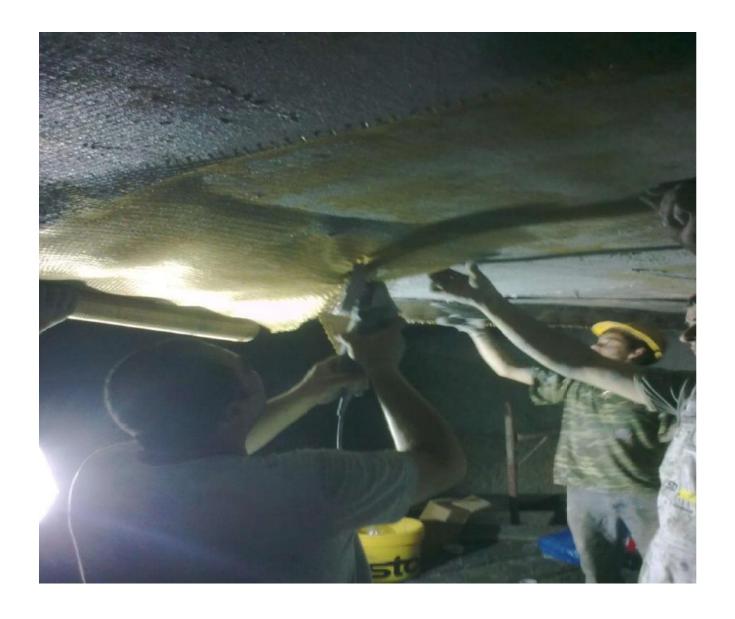


Structural Strengthening
Titan Cement Company - Greece





Structural Strengthening Titan Cement Company - Greece





Structural Strengthening Titan Cement Company - Greece



Exxon Refinery plant - Syracuse (Italy) - 2012

Building type:

Bridge piles – sea water

<u>Year</u>

2012

Product:

PBO-MESH MX- PBO CONCRETE

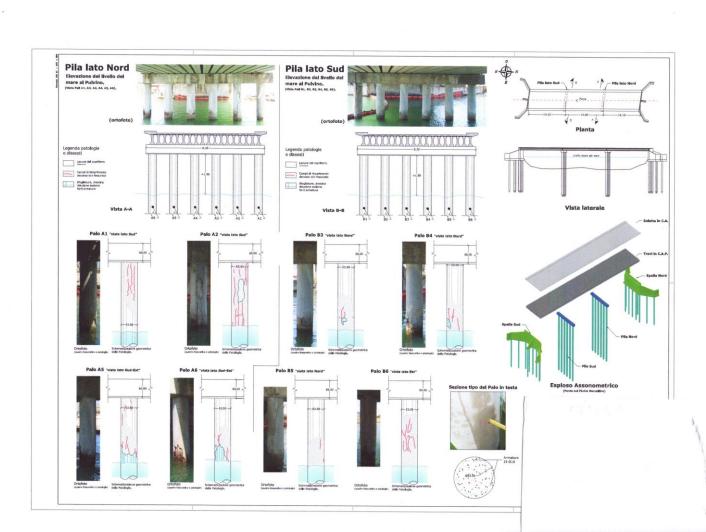
Used for:

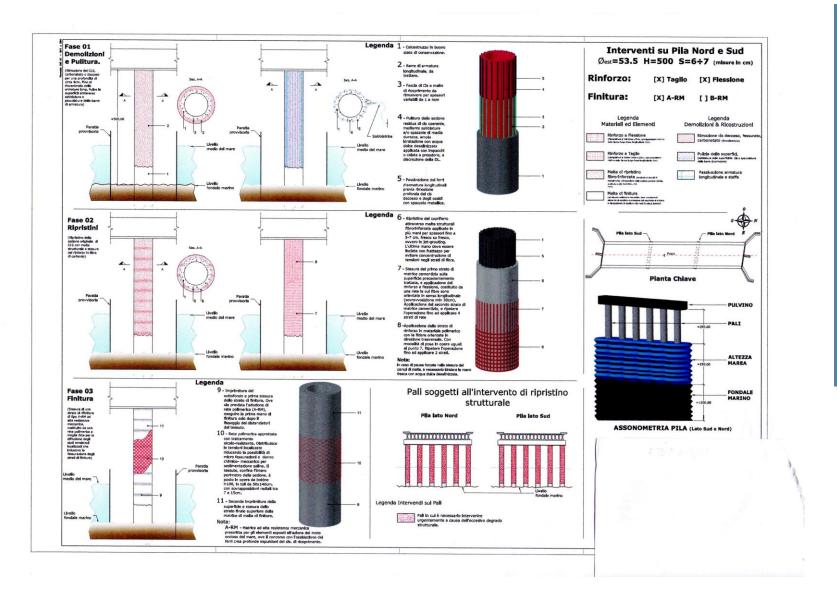
Piles repair/strengthening

Surface

2000 ma









Exxon Refinery plant - Syracuse (Italy) - 2012



Concrete bridge repair - Italy - 2013

Building type:

Concrete bridge

<u>Year</u> 2013

Product:

PBO-MESH MX- PBO CONCRETE

Used for:

Retrofitting beams, columns

Surface 1500 mg

















Structural Strengthening Concrete bridge repair - Italy – 2013









Structural Strengthening Concrete bridge repair - Italy – 2013















Belice Bridge repair - Guatemala

Building type:

Steel bridge on Concrete support structure

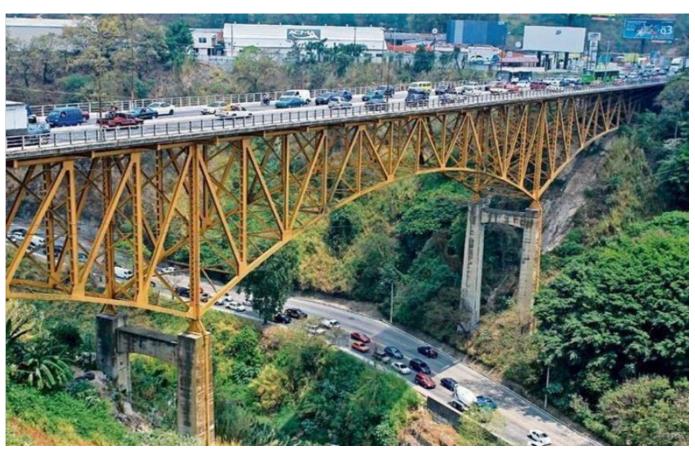
<u>Year</u> 2018

Product:

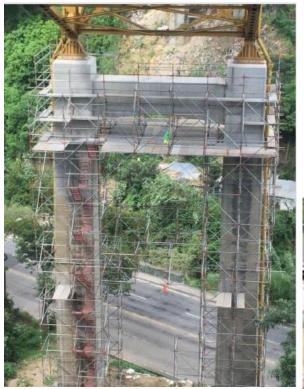
PBO-MESH MX- PBO CONCRETE

Used for:

Retrofitting concrete support structure



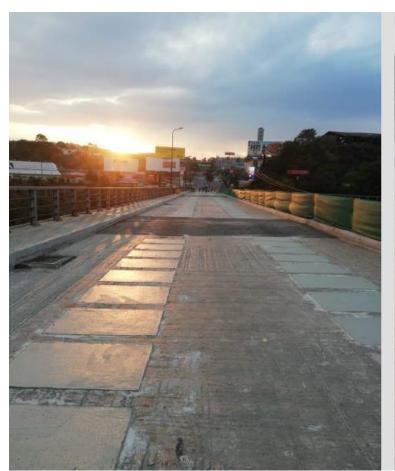








Structural Strengthening Belice Bridge repair - Guatemala







Structural Strengthening Belice Bridge repair - Guatemala







Anillo Periférico Bridge - Guatemala

Building type:

Concrete bridge

<u>Year</u> 2017

Product:

PBO-MESH MX- PBO CONCRETE

Used for:

Shear strenghtening of the beams









Inmaculada Concepción church Heredia - Costa Rica

Building type: Masonry building

<u>Year</u> 2017

Product:

C-MESH MX- C MASONRY

Used for:

Seismic structural strenghtening









Structural Strengthening Inmaculada Concepción church - Heredia - Costa Rica





Structural Strengthening

Inmaculada Concepción church - Heredia - Costa Rica

San Rafael church Heredia - Costa Rica

Building type:

Masonry building

<u>Year</u> 2017

Product:

C-MESH MX- C MASONRY

Used for:

Structural
Strenghtening and repair after an earthquake









Structural Strengthening San Rafael church - Heredia - Costa Rica





Structural Strengthening
San Rafael church - Heredia - Costa Rica



Four Domes Pavilion - Wrocław, Poland

Building type:

Masonry / Concrete building

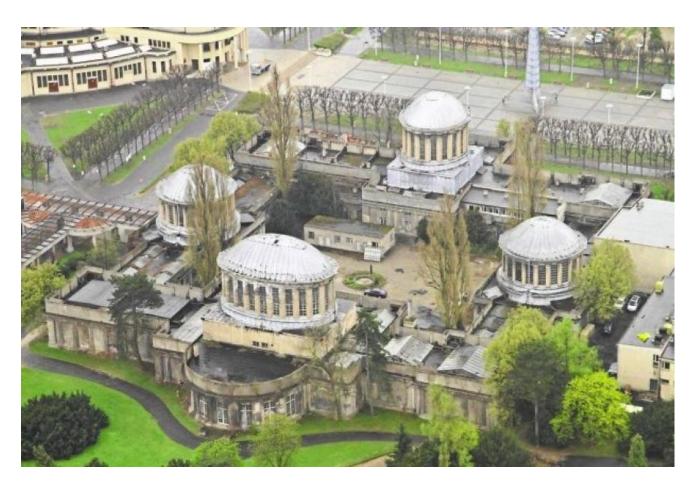
<u>Year</u> 2017

Product:

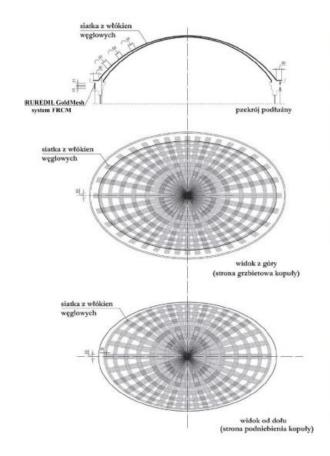
PBO-MESH MX- PBO CONCRETE

Used for:

Domes strenghtening











Four Domes Pavilion - Wrocław, Poland











Structural Strengthening
Four Domes Pavilion - Wrocław, Poland