

Architecture as Urban Catalysts

Architectural Motivation

Raymond Terris

AECOM Buildings & Places

September 20, 2018

Fundamentally changed the relationship of the civic project to the community with use of art and architecture to incorporate the civic building into an informative hub and educational center.

City with vibrant active new skyline
Urban Catalyst – More than a Treatment Plant
Newtown Creek Wastewater Treatment Plant

AECOM

*centerpiece of the Northside project, which redefines the image
The iconic sphere, housed within a glass cube, contains state-of-
the art Hayden Planetarium and Big Bang theater,*

Regeneration of the fabric in the city
Urban Cultural Catalyst – Iconic Architecture
Rose Centre for Earth & Space NY

AECOM

Transformation - a civic destination with a distinct architectural identity
An urban linchpin revitalising this area of the river Clyde and Glasgow


City with river reconnected vibrant new centre of civic life
Urban Catalyst – More than a Museum
Transport Museum Glasgow

AECOM

Transforming Queen's Island into a dynamic new waterfront, combining retail, residential, business and cultural elements, all spliced together with public parks, promenades and gardens. A cultural lynch pin of the scheme and focal point.

City with river reconnected vibrant new centre of civic life
Urban Cultural Catalyst – More than a Museum
Belfast Titanic

AECOM



City with river reconnected vibrant new centre of civic life
Urban Cultural Catalyst – More than a Museum
Belfast Titanic

AECOM

A wide-angle photograph of the Guggenheim Museum Bilbao, showcasing its iconic, undulating titanium-clad facade that reflects the sky and surrounding city. The museum is situated on the edge of the Nervión River, with a curved promenade and a large public sculpture in the foreground. In the background, the city of Bilbao is visible, including a tall, modern skyscraper and traditional urban buildings under a blue sky with scattered clouds.

Set on the edge of the Nervión River in Bilbao, Spain, the Guggenheim Museum is a fusion of complex, swirling forms and captivating materiality

City with river reconnected vibrant new centre of civic life
Urban Cultural Catalyst – More than a Museum

Guggenheim Museum, Bilbao

AECOM



City with river reconnected vibrant new centre of civic life
Urban Catalyst – More than Transport
Findlers Street Central

AECOM

An aerial photograph of the Melbourne city skyline at dusk. The image shows a dense cluster of skyscrapers and buildings. In the foreground, a large, modern architectural structure with a curved, metallic, ribbed facade is highlighted. This structure is situated along a riverbank, with a bridge visible nearby. The river has a small boat on it. The overall scene is a mix of urban density and modern architectural design.

Transformation - civic destination with a distinct architectural identity. A home for many different activities.

City with river reconnected vibrant new centre of civic life
Urban Catalyst – An urban linchpin in the heart of Melbourne

Findlers Street Central

AECOM



Transforms site into a new civic precinct with art gallery, public plaza, amphitheatre, marketplace and permanent home for arts & cultural organisations

Station integrated with the urban context.

Public, cultural, civic and retail programs adds diversity, enriching the city edge and river frontage.

AECOM

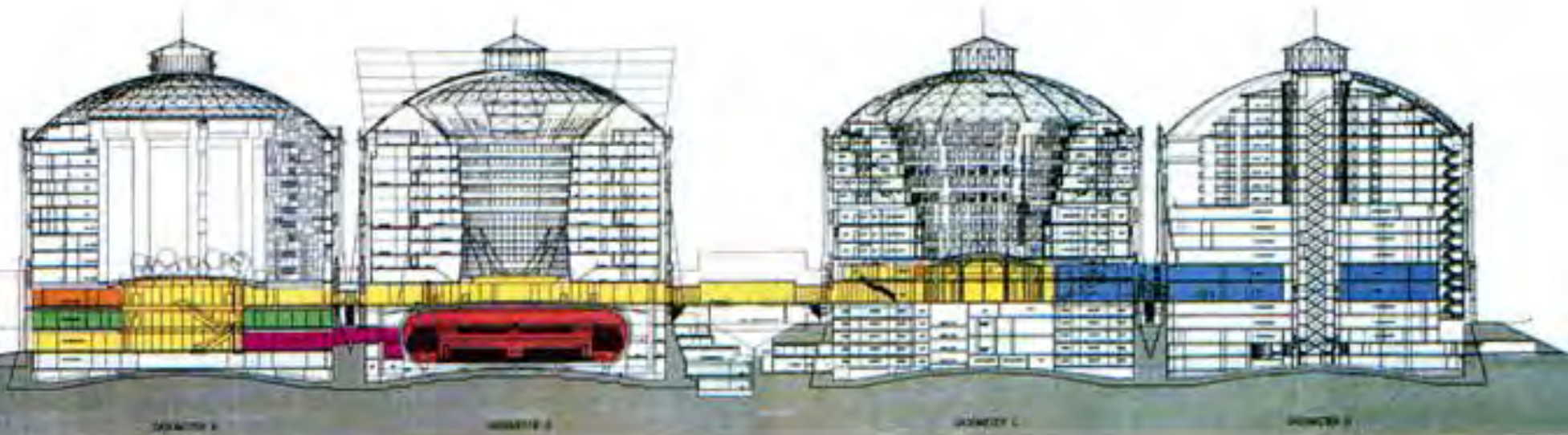


Remodelling and revitalization
Urban Catalyst – Transformation
Gasometers Vienna

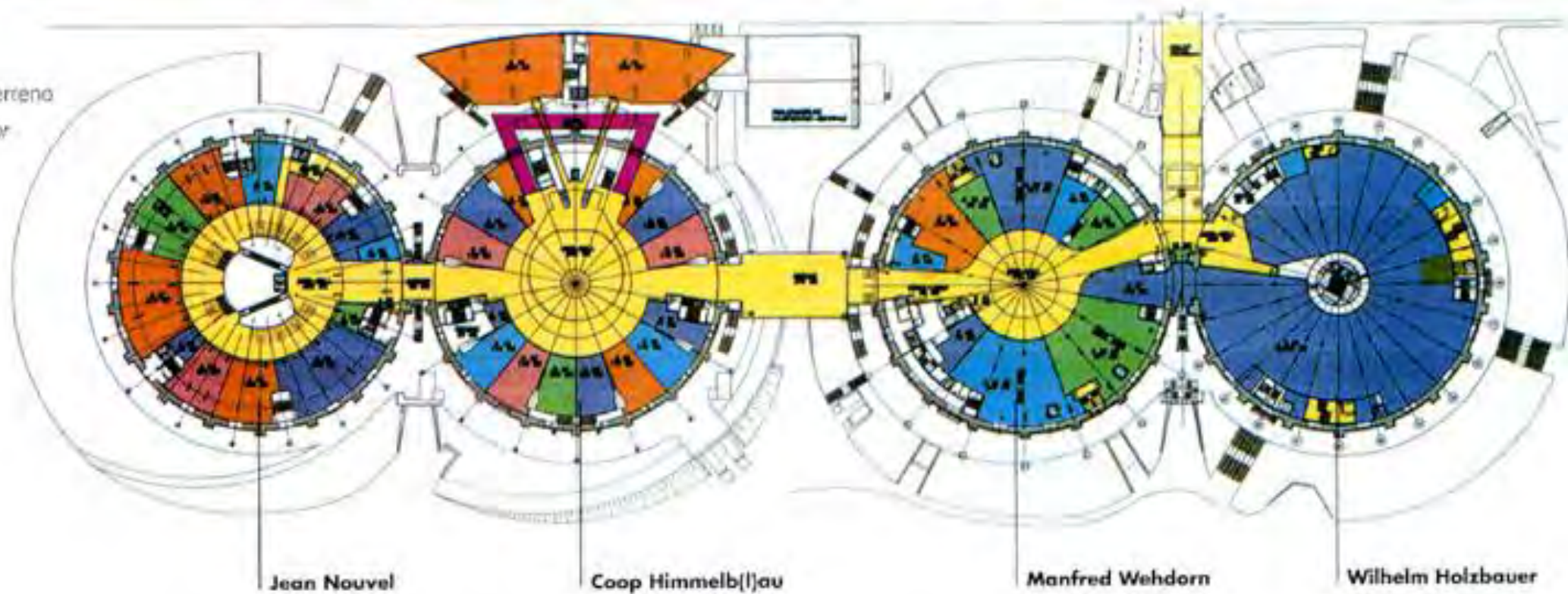
AECOM

ne
tudinale
tudinal
on

udon-Garage



ta
iano terreno
nd-floor



Transformation of a civic destination with a distinct architectural identity.
A home for many different activities. An urban linchpin in the heart of Melbourne.

Urban Catalyst – Transformation Gasometers Vienna

AECOM

Transformation - a civic destination with a distinct architectural identity
A home for many different activities. An urban linchpin in the heart of Melbourne.

Urban Catalyst – Transformation
Gasometers Vienna



King's Cross in nos.

67 acres

50 new buildings

1,900 new homes

20 new streets

10 new public parks

26 acres of open space

30,000 people by 2016

Redevelopment of Depressed Territories:
Transport Hub as Urban Catalyst

Kings Cross

AECOM



Redevelopment of Depressed Territories:
Transport Hub as the Urban Catalyst

Kings Cross

AECOM

Copyright quintinlake.com



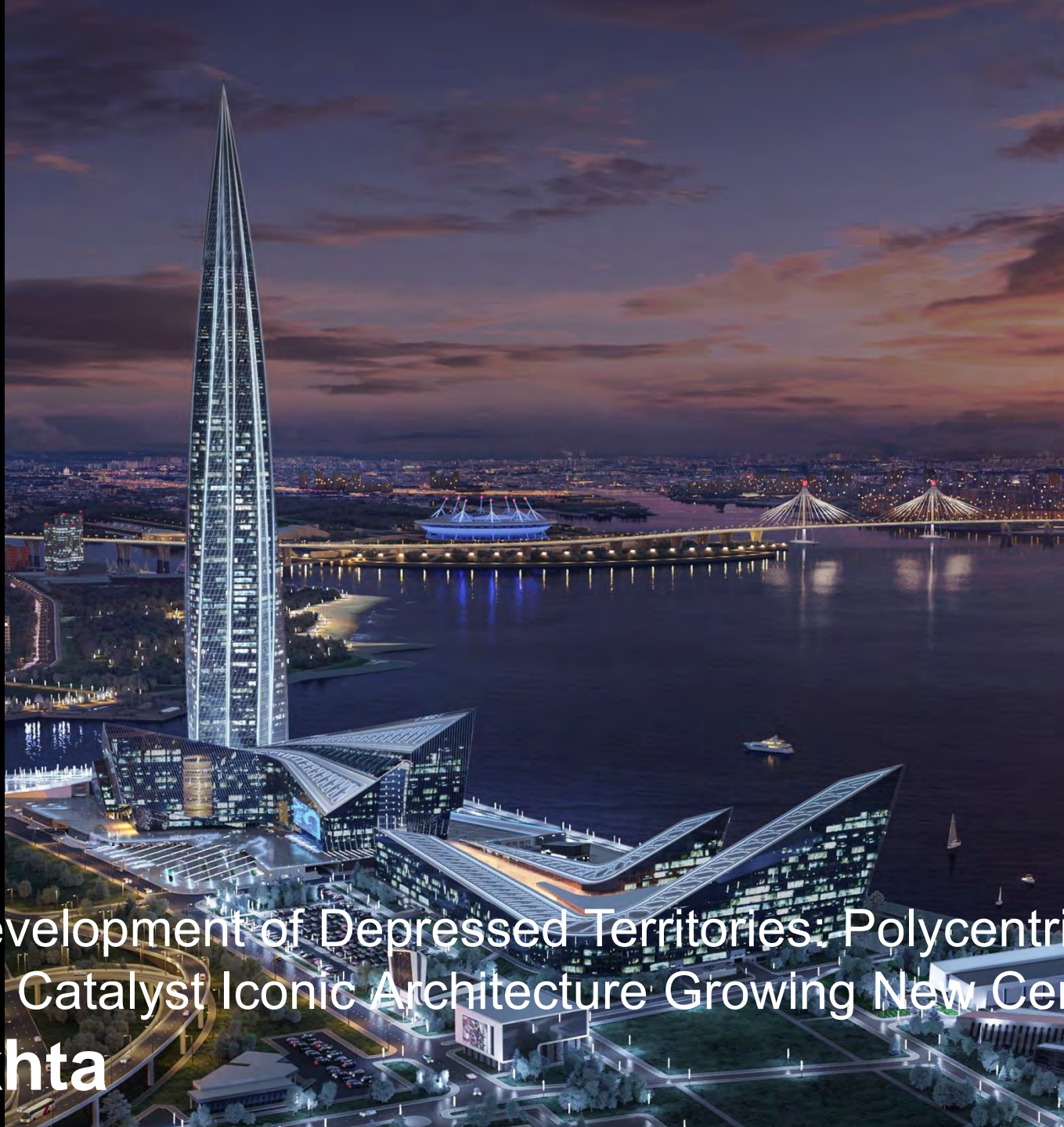
Redevelopment of Depressed Territories: Ploycentric City
The gem – the 230 hectare Olympic Park Growing New Centres.
Lower Lea Valley Regeneration

AECOM



Redevelopment of Depressed Territories: Polycentric City
Edge Catalyst Iconic Architecture Growing New Centres
Lakhta

AECOM



Redevelopment of Depressed Territories: Polycentric City
Edge Catalyst Iconic Architecture Growing New Centres

Lakhta

AECOM



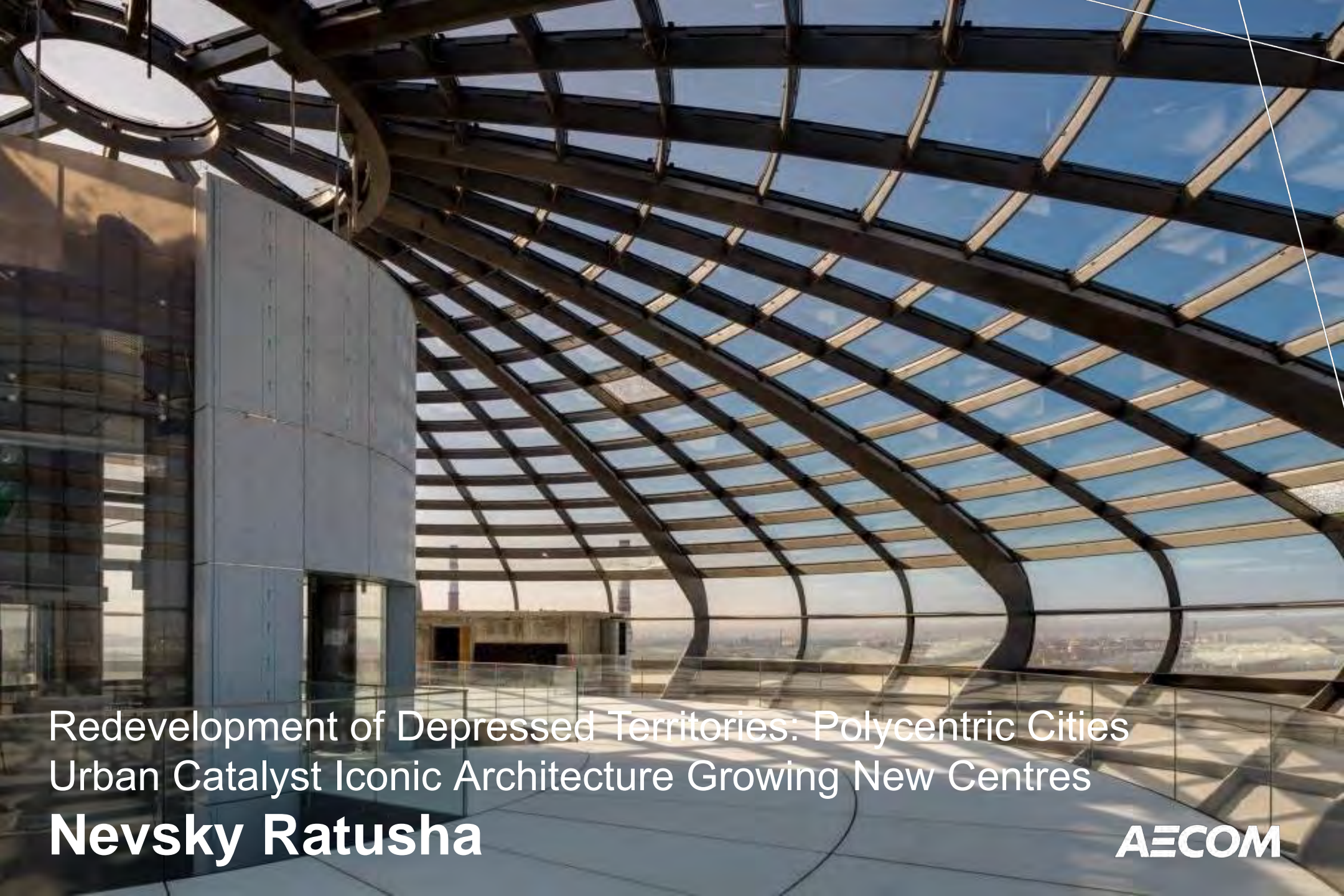
Redevelopment of Depressed Territories: Ploycentric City
Urban Edge Cultural / Sport Catalyst Growing New Centres.
Spartak Tushino

AECOM



Redevelopment of Depressed Territories: Ploycentric City
Urban Edge Cultural / Sport Catalyst Growing New Centres.

Spartak Tushino



Redevelopment of Depressed Territories: Polycentric Cities
Urban Catalyst Iconic Architecture Growing New Centres

Nevsky Ratusha

AECOM



Redevelopment of Depressed Territories: Polycentric Cities
Urban Catalyst Iconic Architecture Growing New Centres
Nevsky Ratusha



Redevelopment of Winter Olympics Media Centre
Cultural Catalyst – transcending cultural boundaries
Sirius Concert Hall

AECOM



Retail Edge Catalyst — destination multi functional cultural social hubs/ centres

Next Generation Retail

AECOM

New Frontier Territories:
Remote (Antartic) Catalyst
Halley IV



AECOM

New Frontier Territories:
Remote (Space) Catalyst for
Space Station



Thank You

September 20, 2018

AECOM