

# BUILDING (R)EVOLUTION

**5-6.10.2023**



**PLGBC**  
Polskie Stowarzyszenie  
Budownictwa Ekologicznego

**OCTOBER 5, AT 10.00 - 17.00**

**9.15 - 10.00 REGISTRATION**

**10.00 WELCOME**

**ANNA WOJTKOWIAK** Radio journalist

**MARCIN GAWROŃSKI** President, Polish Green Building Council PLGBC.

Director of Green Building Department, Sweco Poland

**SESSION 1**

**10.15 - 12.15**

**CLIMATE CHANGE RESILIENCE. (R)EVOLUTION TOWARDS  
NEUTRALITY**

THE CRITICAL ROLE OF BUILDING TRANSFORMATION TOWARD INCLUSIVE, RESILIENT SPACES THAT ARE PREPARED FOR A CHANGING FUTURE, CREATING SUSTAINABLE JOBS, AND HEALTHY, GREEN CITIES AND COMMUNITIES. WHAT STEPS DO WE NEED TO TAKE FOR A RADICAL BUILDING TRANSFORMATION TOWARD CLIMATE NEUTRALITY? HOW TO WISELY REDUCE THE CLIMATE IMPACT OF BUILDINGS? SUSTAINABILITY CHANGE, REORGANIZING COMPANY CULTURES, TAKING CARE OF THE ENVIRONMENT.

KEYNOTE SPEAKER

**(ECO)LOGICAL ARCHITECTURE - CAN THE POLISH ECOLOGICAL SKEPTICISM BE LOGICALLY EXPLAINED?**

**BARTOSZ DENDURA** Architect, Studio4SPACE. Assistant professor and researcher, Faculty of Architecture, Cracow University of Technology. Winner of Europe 40 Under 40 Award 2023 and European Property Awards 2023

According to surveys, more than 70% of Poles perceive climate change, and a large part of our society declares a willingness to spend more on ecological solutions in their homes. At the same time, the number of completed buildings that can be categorized as part of the sustainable architecture is still a margin of all residential investments in Poland. The research also shows that for many consumers, natural and recycled products are synonymous with poor quality and "dingy". So what is the reason for such dissonance, and what can we do to transfer these completely divergent opinions (yes, I can see that the climate is changing) to architecture and construction as well (a house, however, I would like bricks, reinforced concrete, covered with tar paper)?

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#### PLGBC TALKS

### **THE ROLE AND POWER OF COLLABORATION FOR BUILDING (R)EVOLUTION**

Brainstorm: What else can be done to implement sustainable thinking and skills in companies and organizations? How to think about collaboration and partnerships. Partnerships for change. How cross-sector collaboration can contribute to addressing the challenges of meeting the needs of a growing urban population.

**MARIA ANDRZEJEWSKA** Director, Unep/GRID - Warsaw

**MARCIN GAWROŃSKI** President, Polish Green Building Council PLGBC, Director of Green Building Department, Sweco Poland

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#### PANEL DISCUSSION

### **THE FUTURE REWRITTEN**

The most influential business leaders with ideas to help shape and execute their sustainability strategy. How have they focused on the long term and prioritized future strategic decisions to achieve their overarching climate goals? Climate education. Cities and communities that are taking innovative and inclusive climate action. BIG PICTURE: Accelerating the transition. Zero-carbon buildings are the greatest environmental, social and economic opportunity of our time. From setting bold goals, to commitment, to deploying technology on the ground and collecting meaningful data.

**MAŁGORZATA EULL** Director of Business Customer Division, E.ON

**AGNIESZKA HRYNIEWIECKA-JACHOWICZ** Operational Director, Member of the Board, Polish Chamber of Commercial Real Estate (PINK)

**ANDRZEJ LOSOR** Member of the Board, Director of Sales and Marketing Development, HEIDELBERG MATERIALS POLSKA

**ALEKSANDER ŚNIEGOCKI** President of the Board, CEO, Reform Institute

moderation: **IZABELA MAKOWSKA-KWIECIŃSKA** Associate Director, Strategic Advisory | ESG, Colliers

CALL TO ACTION

**BUILDINGS CREATE OPPORTUNITIES:**

**CASE 1.  
PEROVSKITES IN AIRFLOW CONTROL**

**MICHAŁ CISOWSKI** Technical Director, SMAY

Over the past few years, the very dynamic development of perovskite technology has given us new opportunities and increasing use of the technology to minimize operating costs, investment costs and minimize CO<sub>2</sub> emissions into the atmosphere. The work and analysis carried out in recent years have allowed us to create a patented solution that can change the approach to the design of domestic ventilation systems, unlocking benefits for the environment and the investor.

**CASE 2.  
PUSHING THE FRONTIER OF ARCHITECTURE**

**IRENEUSZ BUDZOWSKI** Technical Support Expert, ALUPROF  
**OLIWIJA DEC-WOLSZCZAK** IARP Architect, Member of the Board of the Warsaw Branch of SARP, co-founder of DWAA Architekci. Author of the architecture design for the Warszawa Zachodnia station  
**SYLWESTER KORZENIAK** Projects Director, ML SYSTEM

A case study of the Warsaw Western Railway Station in Warsaw project will be presented by those involved in the project. The project uses an Aluprof skylight, unique in the world scale. Light, energy and fire safety in a single ceiling window. The innovative photovoltaic skylight, based on the MB-SR50N EI aluminum solution, has also obtained the REI30 fire resistance classification. This confirms the highest technological class of the solution, which combines the functions of safety and photovoltaics based on quantum dots. The skylight allows generating clean energy from the sun and protecting the building from fire. The use of solar technology can be a breakthrough in the energy balance of buildings.

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**12.15 - 13.00 NETWORKING LUNCH**

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**SESSION 2**

**13.00 - 14.00**

**BIOPHILIC BUILDINGS. BIODIVERSITY IN FOCUS**

NATURE-BASED DESIGN SOLUTIONS CAN BECOME A CORNERSTONE IN TRANSFORMING OUR CITIES, BUILDINGS AND SPACES. THE FUNCTIONAL AND RECREATIONAL VALUE OF NATURE AND BIODIVERSITY CAN BECOME A CATALYST FOR CHANGE IN THE BUILDING AND REAL ESTATE SECTORS.

SOLUTIONS IMPLEMENTED IN BUILDINGS AND URBAN SPACES TO HELP ACHIEVE IMPORTANT CLIMATE GOALS, WHILE PRESERVING AND EVEN ENHANCING BIODIVERSITY. CREATING CONDITIONS FOR THE DEVELOPMENT OF RESILIENT SPACES AND COMMUNITIES.

KEYNOTE SPEAKER

**NATURE OR INFRASTRUCTURE**

**SZYMON BUJALSKI** Journalist for Climate, author of the book Prescription for a Better Climate. Healthier Cities for a Sicker World

For too long we have treated nature in the city as the enemy that stands in the way of great investments. So it's high time to start talking about the fact that the great investment in the city is... nature itself.

PANEL DISCUSSION

**BIOPHILIC BUILDINGS: HOW NATURE CAN IMPROVE DESIGN**

How to encourage much greater biodiversity in/around buildings by using design processes and ideas inspired by the natural world. Pursuing a sustainable transformation. Examples of actions.

How we can improve livability, inclusivity and accessibility in the cities of the future by creating climate-resilient spaces.

Climate-smart spaces can give everyone and everywhere a chance to not only live, but thrive.

How we can scale best practices in the design and planning system to create resilient communities.

**BALBINA GRZYCZYŃSKA** President, CALLA Group. Board member, European Interior Landscaping Organization EILO

**KASPER JAKUBOWSKI** Landscape architect, illustrator, educator. President, Children in Nature Foundation

**KATARZYNA MIASTKOWSKA-WUJEC** Owner and CEO, Fruit Orchard

**PRZEMYSŁAW POSZWA** Engineer and scientist, creator and educator, EKO-logicznie.com.

Expert of the Climate Leadership program powered by UN Environment

moderation: **ROBERT STRZEŃSKI** Board member, Polish Green Building Council PLGBC. Architect, co-founder and partner, Horizonte Studio.

ECO YOUNG TRENDSETTER

**WHY IS THE PLACE OF ARCHITECTS... ON THE MOON?  
ARCHITECTURE FROM SPACE THAT WILL SAVE THE EARTH**

**WICTORIA DZIADUŁA** architect, analog astronaut. President, Extremo Technologies. PhD student, Silesian University of Technology

The space race is in full swing, and according to NASA, we will set foot on the Moon again by the end of the decade. Projects are being developed for orbital stations, lunar bases or even habitats on Mars. Although they seem so distant, they have a chance to help solve the pressing problems of today's world in the age of climate change. In what way? Does space architecture sound like science fiction? What does it have to do with sustainable development goals? And what happens if we lock an architect in an isolated space base for two weeks?

## SESSION 3

14.00 - 15.15

### ENTER THE FUTURE. RESOURCES & CIRCULARITY

THE PATH TO A BETTER FUTURE IS CLEAR - THE CIRCULAR ECONOMY IS AN INDISPENSABLE PART OF SUSTAINABLE DEVELOPMENT.

WHAT NEEDS TO CHANGE SO WE CAN DESIGN CIRCULAR BUILDINGS?

WAYS TO REUSE MATERIALS AND REDUCE WASTE, TO BUILD SUSTAINABLY. STRATEGIES FOR RETHINKING RESOURCES IN ARCHITECTURE.

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#### KEYNOTE SPEAKER

### REGENERATIVE DESIGN - TRANSFORMING THE BUILT ENVIRONMENT USING CIRCULAR ECONOMY PRINCIPLES (ENG)

**MARTIN PAULI** Director and Global Leader Circular Economy Services, ARUP. Global Circular Design Leaders Program, Ellen MacArthur Foundation. Innovation Advisory Board and the Circular Building Committee, German Sustainable Building Council (DGNB).

Martin will explain why the transformation of the built environment industry is urgently needed to achieve the 2050 goals. He will look into the key principles of regenerative and circular design practices and provide relevant case studies and inspirational examples.

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#### PANEL DISCUSSION

### MAKING CIRCULAR FUTURE. HOW TO MAKE A CIRCULAR TRANSFORMATION IN THE CONSTRUCTION/GREEN BUILDING INDUSTRY

The circular model challenges the current form of material production and consumption. There is a need to change today's operating paradigm to enable a transformation towards circularity. In the construction sector, the application of circular economy principles can be implemented in various areas: circular material solutions, extending the lifetime of materials and products, implementing product-as-a-service solutions or designing for future disassembly. Will these and other models enable such a transformation? This question will be answered in the panel.

**PIOTR KARBOWNIK** Manager of product management team, Cemex Polska

**IGOR ŁYSIUK** Senior Architect & Research Analyst, workplace

**KAMIL MACIEJCZYK** General Director, Zumtobel Group

**ALEKSANDRA WITECZEK** Assistant Professor, Faculty of Architecture, Silesian University of Technology. Partner, visio architects & consultants. Member of the Board, Polish Green Building Council PLGBC

moderation: **ALICJA KUCZERA** Managing Director, Polish Green Building Council PLGBC.

Chair of the GBC CEO Network, World Green Building Council

## **CIRCULAR ECONOMY IN THE BUILT ENVIRONMENT (ENG)**

**CATRIONA BRADY** Director of Strategy and Development, World Green Building Council

An overview of the circular economy and its critical relevance for the built environment sector.

This presentation will define and explain a circular vision for construction and buildings, focusing on key themes including materials, design principles and restoration of nature.

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CHANGE MAKERS

### **MATERIAL REUSE - FOUNDATION ENTERS CONSTRUCTION SITE**

**ZOFIA JAWOROWSKA** Social activist, founder, BRDA Foundation

**PETRO VLADIMOROV** Architect, curator, BRDA Foundation

The BRDA Foundation team will introduce the potential of reusing materials. And the potential is huge, as you will see from examples of real social and environmental projects where support is quantifiable and waste reduction is visible. We conquer construction sites, visit demolition sites and work for more environmentally and socially responsible architecture - we'll tell you how.

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### **15.15 - 15.45 COFFEE BREAK**

## **SESSION 4**

**15.45 - 17.00**

### **BUILDINGS FOCUS ON PEOPLE. PERSPECTIVE ON SPACE. HEALTH & WELLBEING**

BUILDINGS THAT ALLOW PEOPLE TO FUNCTION AT THEIR BEST. MAXIMIZE COMFORT, PRODUCTIVITY, PROVIDE ACCESS TO NATURE, SUPPORT RESILIENCE TO A CHANGING CLIMATE. PROJECTS, ACTIVITIES AND GOOD PRACTICES FOR SHAPING SUSTAINABLE, HEALTHY AND VIBRANT CITIES/DISTRICTS/COMMUNITIES. A SUSTAINABLE FUTURE, WITH A SOCIETY THAT KNOWS SUSTAINABILITY, BECOMES A REALITY, NOT JUST A DREAM.

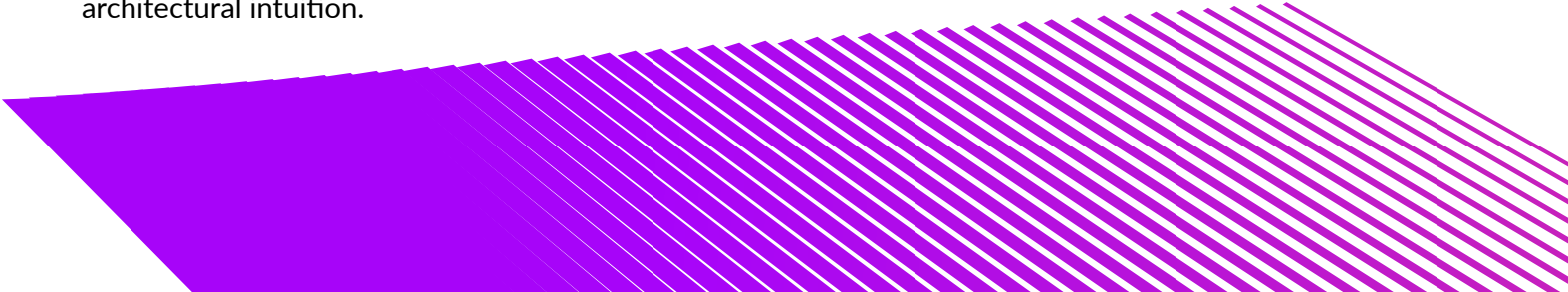
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KEYNOTE SPEAKER

### **HEALTH FIRST... OR WHAT DOES NEUROSCIENCE BRING TO ARCHITECTURAL DESIGN?**

**NATALIA OLSZEWSKA** Co-founder, Research Lead / Impronta. Lecturer in Neuroscience Applied to Architectural Design (NAAD), IUAV University, Venice

Neuroscience research is a new tool to help design better, responding to user needs. Regardless of the scale, function and complexity of the process, it allows to verify architectural intuition.



The combination of neuroscience and architecture offers new insights into space design and helps understand how buildings interact with the biology of our bodies, primarily the nervous system, which is responsible not only for cognitive functions, but also for the synchronization of biological cycles, the coordination of internal organs, the secretion of hormones and the functioning of the immune system. The overarching goal of such an interdisciplinary approach to architecture is to build living environments, spaces that would contribute to the flourishing of human health and well-being.

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PANEL DISCUSSION

**STRATEGIES AND SOLUTIONS. HOW TO ENGAGE IN THE REDEVELOPMENT, REVITALIZATION AND REGENERATION OF URBAN SPACES AND PLACES TO BECOME ZERO-CARBON, MORE SUSTAINABLE AND RESILIENT**

Regenerative leadership - support for collective recovery. The world is grappling with crises: the COVID-19 pandemic, climate change, the war in Ukraine. How do we support each other? How to think about leadership?

Buildings that measurably improve the physical and mental health of residents and the local community, while taking care of the environment. The need for an approach to sustainability that empowers communities to be part of their own solutions. Placemaking. Involving people in projects that directly affect them has a positive impact not only on the built environment, but also on the community that lives in it. Diversity and inclusion in design.

**TOMASZ KLIMEK** CEO, Qlab Laboratory of Light

**TOMASZ MAJDA** Architect, President, Society of Polish Urban Planners. Faculty of Architecture, Warsaw University of Technology

**KAROLINA ROSIŃSKA** Sustainability & Wellbeing Consultant, Sweco Poland  
| ActiveScore AP

**MATEUSZ ZMYŚLONY** Expert in social communication, strategist for urban and regional development

moderation: **EWA KOWALSKA-OCNEANU** Chief Sustainability, WSP Polska

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CALL TO ACTION

**BUILDINGS CREATE OPPORTUNITIES. LIGHTING REVOLUTION - FLUORESCENT LAMPS AND WHAT'S NEXT? THE NEED FOR RENOVATION, SPACE UTILIZATION AND QUALITY - HELVAR INSIGHTS & ENVIRONMENTAL SENSOR**

**KRZYSZTOF DYRDA** Lighting Control Systems Expert, Partner Sales Manager CEE, VAR Sales, Helvar

The latest innovations in lighting that can enhance the appeal of real estate and reduce operating costs. Tenants and real estate agents will be able to learn how proper lighting affects the value of a property and the comfort of residents. Architects and designers will gain new inspiration and design solutions that they can apply to their projects, realizing the ESG and energy-saving platform of the property. Lighting manufacturers will have the opportunity to gain inspiration for product innovations based on the latest wireless solutions.

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KEYNOTE SPEAKER: POWER SPEECH

**WHAT CAN I DO FOR MYSELF, OTHERS, THE WORLD?**

**WŁADYSŁAW GROCHOWSKI** President, ARCHE

I recently turned 70, and to make myself happy, I rode my bicycle for 100 km. For the first time in my life. When the war in Ukraine started, I turned off the hot water at my home. I practice walrushing in the shower. And I'm happy to do it, too.

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**17.00 END of the conference**

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**17.15 - 18.15 PLGBC\_SPEEDNETWORKING**

Number of seats limited. Sign up at the reception

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**PLGBC GREEN BUILDING AWARDS 2023  
GALA AND COCTAIL  
18.30 – 21.30**

(prior registration required)

PLGBC **GREEN BUILDING**  
2023 *Awards*

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**PLGBC GREEN BUILDING  
AWARDS 2023 COMPETITION SUMMARY**

**ANDRZEJ GUTOWSKI** ESG Director, Colliers. Jury member of the PLGBC Green Building Awards 2023 competition

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**PLGBC GREEN BUILDING AWARDS 2023 PRESENTATION  
AND COCKTAIL PARTY**

Unique statuettes prepared by the architectural studio Horzone Graphics.

