Architecture 2030 Resources

https://architecture2030.org/empowering-the-building-sector/

The building sector is the single largest consumer of energy and producer of greenhouse gas emissions. This 10-course series, available on AIAU, will inspire architects to meet the 2030 Challenge and achieve zero carbon operations for new construction today through design strategies, efficient technologies and systems, and applying renewable energy resources.

The 2030 Palette is a free online resource for the design of zero-net-carbon, adaptable, and resilient built environments world wide. The database contains sustainable strategies for all scales of design, from building scale to regional scale.

The Carbon Smart Materials Palette is an immediately applicable high-impact pathway to embodied carbon reductions, providing attribute-based guidelines for designing low/no embodied carbon buildings and specifying low/no embodied carbon products.

To implement the effective use of EPDs, an expert stakeholder group, facilitated by Architecture 2030 and CannonDesign, has developed an open-standard EPD Quicksheet. Created by and for designers and engineers, the EPD Quicksheet aims to simplify the process of reading, comprehending, and using EPDs, increase transparency in the building products industry, and support building professionals in achieving 2030 Challenge for Products goals.

The International EPD® System is a global programme for environmental declarations. Environmental Product Declarations (EPD) present transparent, verified and comparable information about the life-cycle environmental impact of products and services.

The CarbonPositive RESET! 1.5ºC Global Teach-In was a full-day "how-to" event focused on the actions necessary to meet the Paris Climate Agreement 1.5ºC goals. Presented live in three regions worldwide, all recordings of the events (in English, Spanish, and Mandarin) are freely available on the CarbonPositive website.

Architecture 2030 teamed up with ACSA and AIA COTE to bring the 2017-2018 COTE Top Ten for Students design competition, theme INNOVATION 2030. This year focused on *design and ideas* related to energy and emissions, adaptability, and resiliency.

The 2030 Curriculum Project was a two-year program that included 11 curricula in architecture and planning schools across the U.S. These courses expanded and fully integrated lessons in energy use, emissions, and resiliency into the widest possible range of projects and topic areas, and across all year levels. The curricula are publicly available.

A framework of integrated policies for national and sub-national governments (state, provincial and municipal) to phase out CO_2 emissions in the built environment by 2040.

The Zero Cities Project supports 12 cities in the United States that are each developing a policy roadmap to achieve a zero-carbon building sector. Architecture 2030 joins a partnership of technical experts, policy specialists, equity and community engagement leaders and communications experts in developing solutions.

The ZERO Code is a national and international building energy standard for new building construction that integrates cost-effective energy efficiency standards with on-site and/or off-site renewable energy resulting in zero-net-carbon buildings.

The ZERO Tool is used to compare a building's design or an existing building's EUI, understand how a building achieves its EUI, and set EUI targets.