

MODERN CONSTRUCTION CASE STUDIES

Emerging Innovation in Building Techniques

Second Edition

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CONSTRUCTION CASE
STUDIES

Since the turn of the 21st century, the linear relationship between architecture/engineering/construction has been slowly dissolving and interweaving into an entirely new workflow, requiring a new kind of relationship between architect engineer and construction teams in order to achieve the great built works of our age.

Building design has evolved from hand-drawings, hand-calculations and construction-in-the-field to a new process of digital design, engineering analysis/simulation and digital [BIM] construction models. This is not merely a change in medium from paper to computer. It is an entirely new paradigm.

Building envelopes are no longer the exterior wall of the building. The line between facade, structure, lighting, climate-response and mechanical systems begins to blur and suggest new evolutions. The exterior envelope can evolve to also be the structure – it can be an intelligent membrane that not only separates inside from outside but can also engage it.

DESIGN TO
PROTOTYPE

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Los Angeles, CA, USA
Architect: Newtecnic

06 Innovation Campus 122
Houston, TX, USA
Architect: Newtecnic

11 Domestic Terminal 192
Las Vegas, NV, USA
Architect: Newtecnic