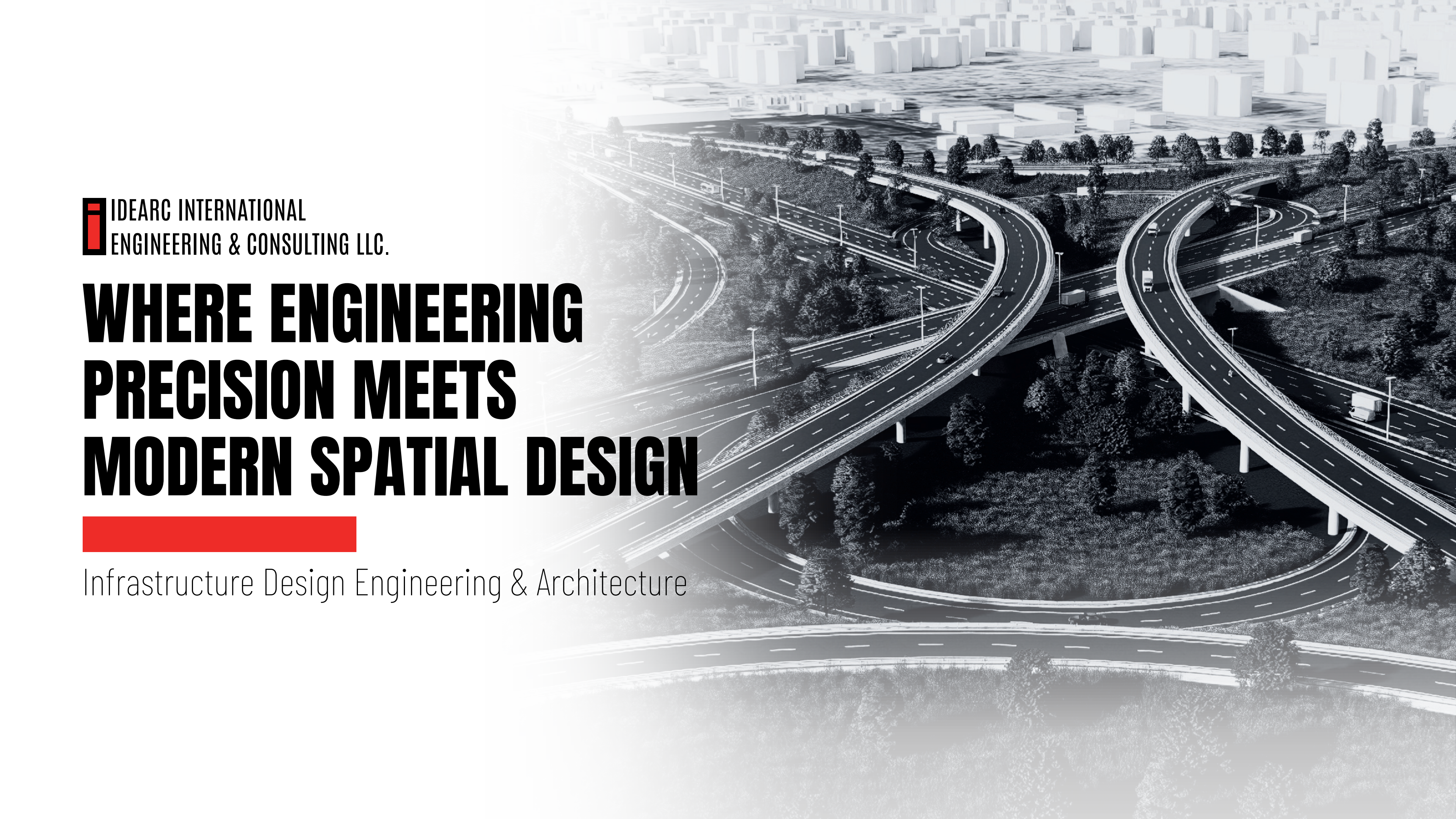




IDEARC INTERNATIONAL
ENGINEERING & CONSULTING LLC.

WHERE ENGINEERING PRECISION MEETS MODERN SPATIAL DESIGN



Infrastructure Design Engineering & Architecture

About IDEArc



IDEArc International Engineering and Consulting LLC is a premier multi-disciplinary firm specializing in comprehensive **I**nfrastructure, **D**esign, **E**ngineering, and **A**rchitecture services. Leveraging cutting-edge technology, we deliver innovative transportation and infrastructural engineering solutions across a wide spectrum of global projects, from master planning to industrial designs.



📍 **TUPRAS KIRIKKALE REFINERY BRIDGES | TURKIYE - 2023**

International
Middle East - Europe - US - UK - North Africa

9 Countries
TURKIYE - TURKMENISTAN - UZBEKISTAN
UNITED STATES - LIBYA - MONTENEGRO
ALBANIA - BULGARIA AND MORE...

700+ Projects
Completed

Transportation & Road Design

Engineering seamless connectivity through advanced road geometry, intersection design, and strategic traffic master planning.

Infrastructure & Engineering Structures

Delivering high-precision earthworks, infrastructure design, and structural performance analysis backed by BIM technology.

Spatial Planning & Architectural Design

Shaping the future of environments through visionary urban design, industrial master planning, and modern architectural solutions.



Core Expertise

Transportation & Road Design

3D Modeling

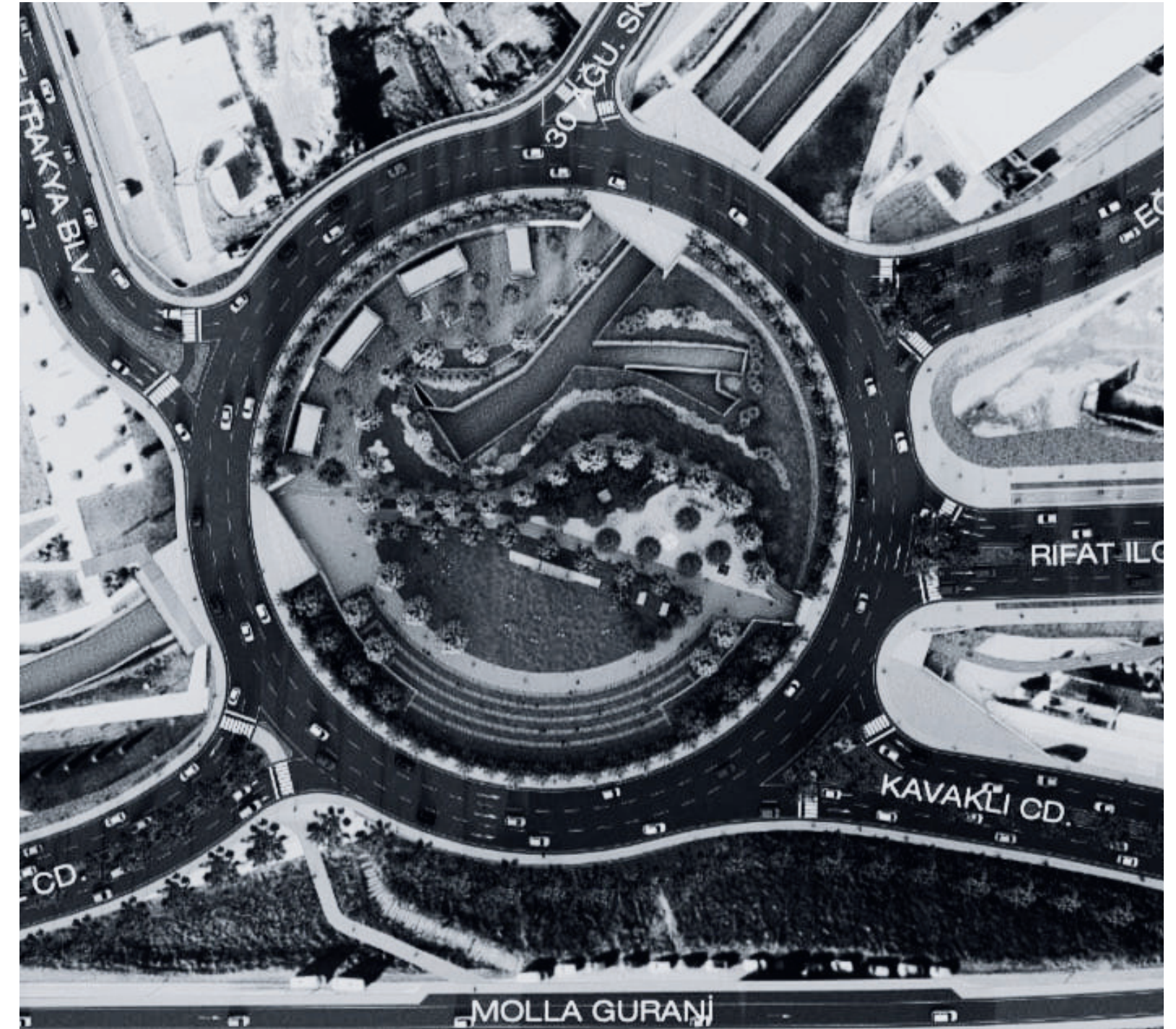
High-precision engineering is executed through advanced digital terrain models and automated design workflows.

- High-capacity highway engineering.
- Complex intersection geometry.
- Automated conflict elimination.
- Mathematical design precision.

Traffic Intelligence

Urban mobility is maximized through strategic master planning and rigorous capacity analyses.

- Macroscopic traffic simulations.
- Strategic mobility masterplanning.
- Future-proof network design.
- Congestion minimization strategies.



📍 **VOLVO INTERSECTION | TURKIYE-2022**

Infrastructure & Engineering Structures

Infrastructure Design

High-systematic infrastructure solutions are developed through integrated terrain analysis.

- Advanced earthwork optimization.
- Integrated utility planning.
- Precise drainage modeling.
- Sustainable site preparation.

Digital Twin

Structural integrity is ensured through rigorous performance analysis and advanced asset digitization.

- Rigorous structural analysis.
- BIM coordination.
- Advanced performance modeling.
- Innovative material engineering.



📍 **HALIC TERSANE MIXED-USE PROJECT | TURKIYE - 2019/2026**

Spatial Planning & Architectural Design

Spatial Planning

Visionary urban design strategies are formulated to maximize land potential and community integration.

- Industrial master planning.
- Strategic zoning development.
- Large-scale urban design.
- Macro-level land optimization.

Architectural Design

Modern architectural solutions are delivered with a strict focus on functional aesthetics and sustainability.

- Conceptual design development.
- Functional space programming.
- Sustainable building solutions.
- High-end aesthetic engineering.



📍 **ALOSBI – IZMIR ALIAGA ORGANIZED INDUSTRIAL ZONE | TURKIYE – 2021**

IDEArc Ecosystem



■ IDEARC Him

INFRASTRUCTURE BIM AUTHORIZING

HIM unifies fragmented design, quantity, and alignment data into a single synchronized model to eliminate cross-discipline errors and ensure rapid revision tracking.

■ IDEARC Hub

PROJECT ECOSYSTEM MANAGEMENT

HUB unifies disconnected tools into a single source of truth with role-based access and version history, shortening coordination cycles and increasing delivery reliability.

■ IDEARC Stream

DIGITAL TWIN ACCESS

STREAM is the platform where projects digital twins can be accessed from anywhere, on any device.

■ IDEARC BIMo

EXTENDED REALITY INSPECTION

BIMo runs automatic rules for naming quality, geometry, and discipline clashes to find model issues early and improve delivery quality.

■ IDEARC GIS

CONSTRUCTION SITE MAPPING

GIS combines different spatial data formats into one standard map and dashboard, making technical evaluations easier to trace and helping stakeholders compare project alternatives faster.

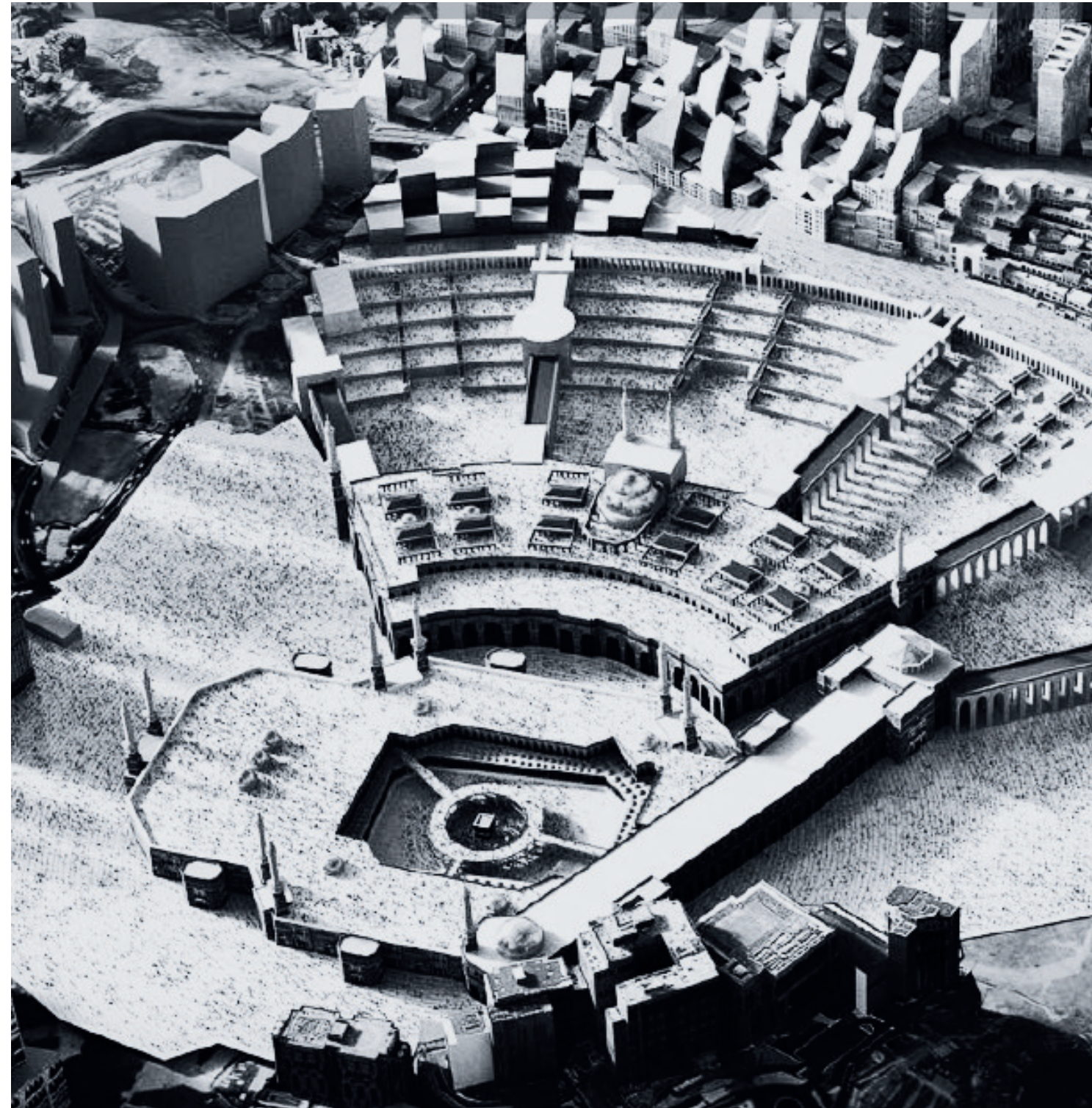
■ IDEARC Rendr

AUTOMATED RENDERING WORKFLOW

RENDR links template scenes directly to the design model, automating the visual production queue to prepare stakeholder presentations faster after every project revision.

MAKKAH - RUA AL HARAM

2stPRIZE -TRANSPORTATION PLANNING
AND TRAFFIC CONSULTANCY



SCOPE

Traffic Masterplanning

Comprehensive circulation plans and parking strategies were developed to optimize urban mobility.

3d Road Design & Modelling

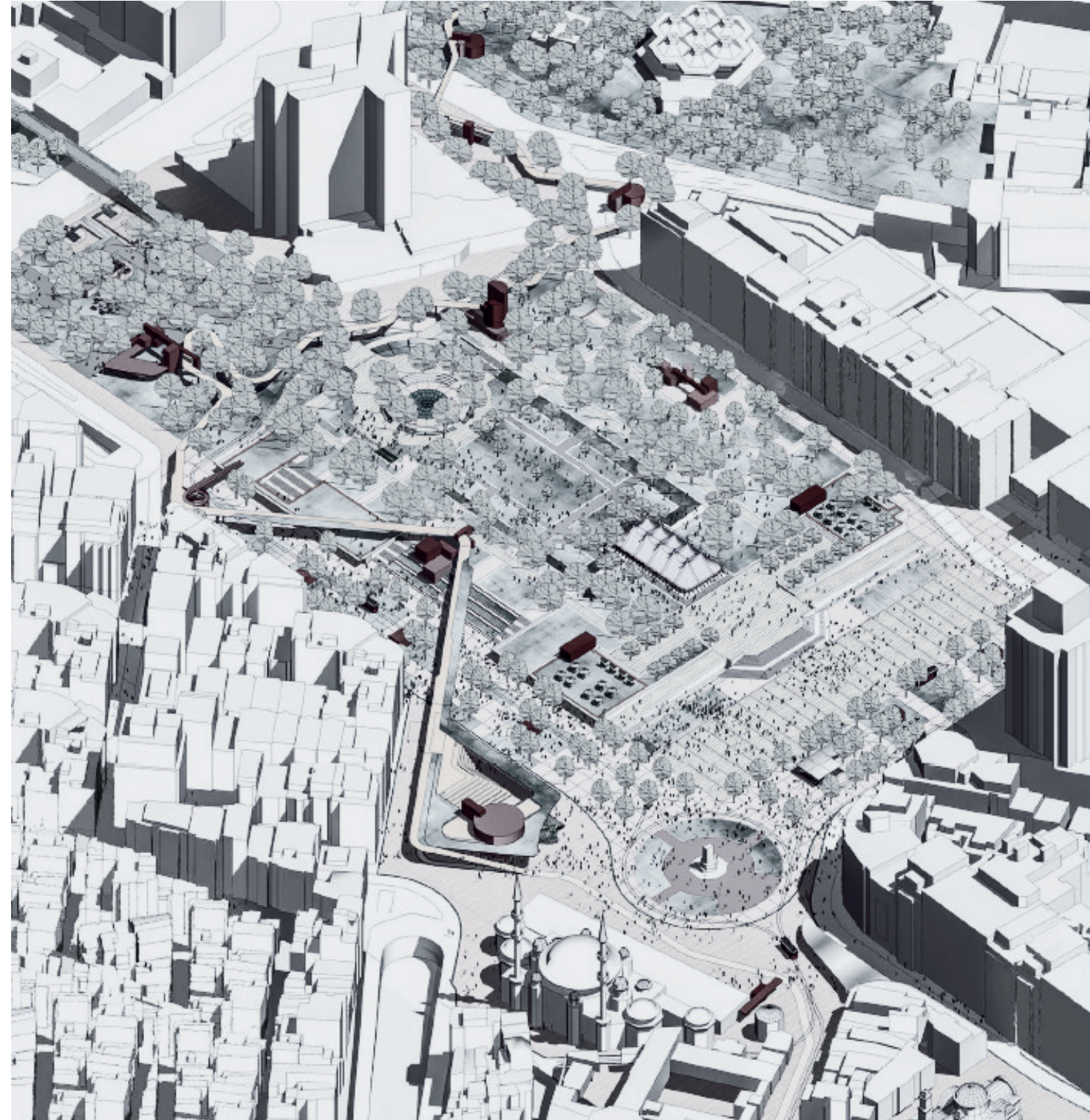
High-precision intersection and corridor modeling ensured both seamless and safe multimodal traffic flow.

Feasibility & BOQ

Advanced data analysis and detailed cost estimations delivered maximum economic and technical efficiency.

TAKSIM CITY SQUARE URBAN DESIGN

1stPRIZE -TRANSPORTATION PLANNING
AND TRAFFIC CONSULTANCY
TURKIYE



SCOPE

Traffic Masterplanning

Comprehensive circulation plans and parking strategies were developed to optimize urban mobility.

Street-Tram Design

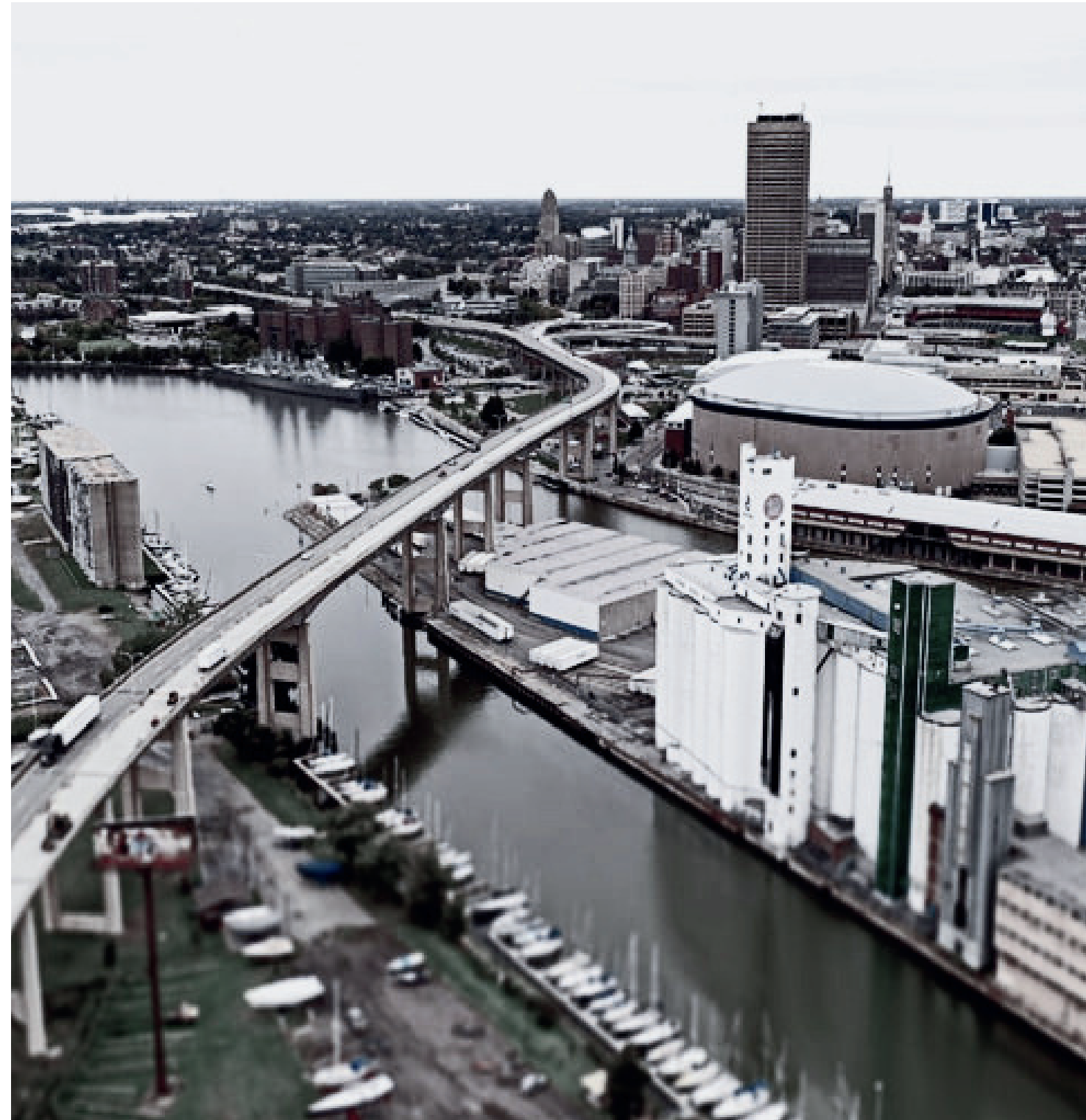
Integrates rail lines directly into the urban layout, ensuring safe pedestrian circulation and smooth city movement

Feasibility & BOQ

Advanced data analysis and detailed cost estimations delivered maximum economic and technical efficiency.

BUFFALO SKYWAY CORRIDOR

SHORTLIST-TRANSPORTATION PLANNING
AND TRAFFIC CONSULTANCY /
UNITED STATES



SCOPE

Traffic Masterplanning

Comprehensive circulation plans and parking strategies were developed to optimize urban mobility.

Geometric Design

High-precision intersection and corridor modeling ensured seamless and safe traffic flow.

Feasibility & BOQ

Advanced data analysis and detailed cost estimations delivered maximum economic and technical efficiency.

Trusted By

More than 312 partners

“We integrate real-world experience into BIM to deliver practical, site-ready automation.”

E.ERDEM OZLU – FOUNDER | IDEARC





📍 CEYHAN PETROCHEMISTRY INDUSTRIAL ZONE | 2022

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☎ +90 212 823 1234

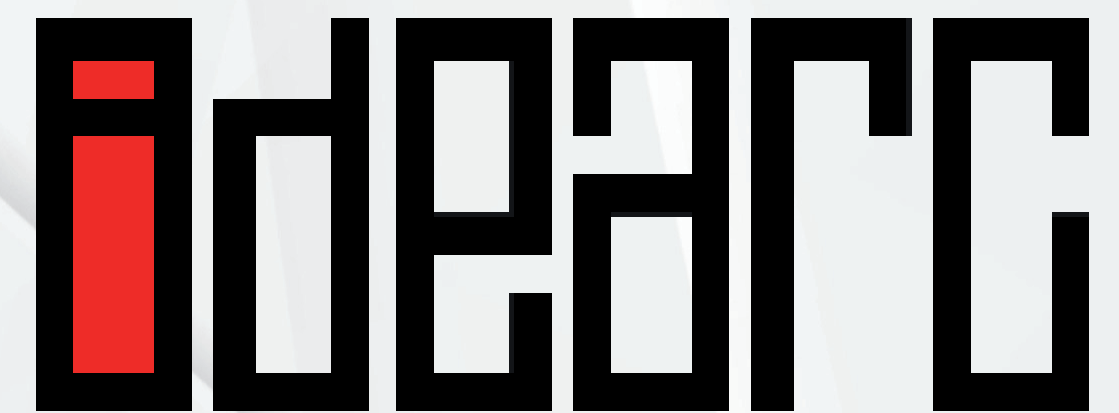
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