



CROSS WORKS

LONDON • RIYADH

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CITY PLANNING URBAN DESIGN
MASTERPLANNING
URBAN ANALYTICS ARCHITECTURE



LONDON



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NEW TASHKENT

TASHKENT, UZBEKISTAN

MASTERPLANNING

Masterplan for a new twin city east of Tashkent, designed for two million residents across 20,000 hectares.

Cross Works led the project from initial visioning to CMP and DMP, and is now developing urban design, landscape and architectural guidelines.



NEW KHARKHORUM CITY MASTERPLAN

MONGOLIA

MASTERPLANNING

Concept masterplan for Mongolia's new capital city, covering 32,167 hectares for 1.5 million people. A flexible, modular approach allows adaptation for both nomadic and future urban populations.



PORO LAGOON MASTERPLAN

ALBANIA

MASTERPLANNING

Hospitality-led masterplan for a 550-hectare coastal lagoon site. Anchored by marinas, education hubs and agro-tourism, the design integrates natural and human landscapes.



NEW TASHKENT ARCHITECTURAL GUIDELINES

UZBEKISTAN

ARCHITECTURE

Urban design and architectural guidelines for key plots in New Tashkent, ensuring material, massing and public realm coherence across the wider masterplan.



TREHAN IRIS BROADWAY GRENO WEST

DELHI, INDIA

ARCHITECTURAL DESIGN

A 700,000 sq ft mixed-use project east of Delhi featuring hotel and office towers, retail, and rooftop gardens. The scheme stands as a key benchmark for Greater Noida's emerging commercial hub.

Cross Works role was to lead the production of the full Schematic Design stage (including architectural design development, interior design and landscape design) through to the submission of the scheme to local government. The project is nearly completed on site.



IBRAHIM AL KHALIL ROAD

MECCA, KINGDOM OF SAUDI ARABIA

ARCHITECTURE

Public Realm Vision & Masterplan for Ibrahim Al Khalil Road – a 3km major arterial route to the Masjid Al-Haram in Mecca.

The proposal prioritises pedestrians and softens the urban environment through increased tree cover, softscape, and the introduction of water in its multiple forms.

The scheme carefully balances fast and slow movement, integrating new modes of public transport while restoring the human scale through targeted mixed-use infill developments along the corridor.



BARKA SOUQ

OMAN

MASTERPLANNING & URBAN DESIGN

Concept Masterplan & Urban Design Framework for a strategically located 8.5ha site within Barka, a rapidly growing coastal city in Oman. With a historic fortress at the core of the site, the masterplan integrated new retail / F&B and hospitality uses, whilst restoring and enhancing the existing souq.

The project celebrates the historic Barka Fort and several other heritage assets on the project site, whilst promoting a new and vibrant coastal lifestyle zone as part of the Greater Muscat Structural Plan.





DESIGN

TASHKENT DOWNTOWN MASTERPLAN

UZBEKISTAN

URBAN DESIGN / ARCHITECTURAL DESIGN

Regeneration of a 20-hectare brownfield site along the Salar Canal, creating 325,000 sqm of mixed-use development for 10,000 residents.



NURSULTAN GRAND MOSQUE MASTERPLAN

KAZAKHSTAN

URBAN DESIGN

270-hectare masterplan centred on Central Asia's largest mosque. A mixed-use, residential-led district connected by promenades and a cohesive landscape network.



ANDIJAN MASTERPLAN

UZBEKISTAN

MASTERPLANNING / URBAN DESIGN

A 1,000-hectare city extension delivering 3.5 million sqm of mixed-use space for 142,000 residents. The plan creates neighbourhoods with community hubs, commerce, and culture, shaped around the site.



ALMATY MASTERPLAN

KAZAKHSTAN

URBAN DESIGN / ARCHITECTURAL DESIGN

A 50-hectare redevelopment in central Almaty providing 2 million sqm of mixed-use development. The design reconnects the industrial site to the city through housing, commerce, culture, and green infrastructure.



BAOBAB MALL

KINSHASA, CONGO (DRC)

ARCHITECTURAL DESIGN

A mixed-use complex of 85,000 sqm in Central Kinshasa combining retail, offices, and residences. Inspired by the native Baobab tree, it serves as a new urban landmark using locally sourced materials.



IMMOROSE PAVILION

KINSHASA, CONGO (DRC)

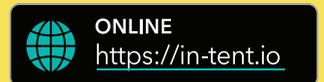
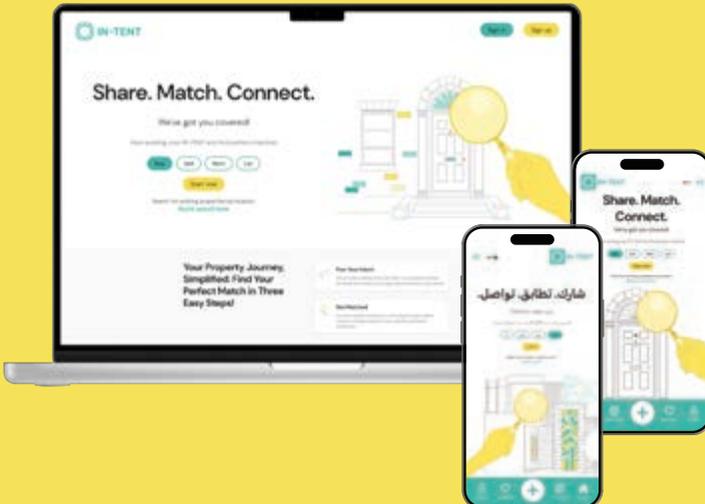
ARCHITECTURE

With a design inspired by the diverse cultural and natural context of the region, Cross Works led the development of the Concept & Schematic Architecture for a 630 sqm Sales Office in Kinshasa for a major African property developer.





TECHNOLOGY



IN-TENT

MATCHMAKING REAL ESTATE MARKET APP

An intelligent property platform connecting buyers and sellers through intent-based matching. Users post what they want, and the system instantly pairs compatible counterparts, creating a demand-driven, real-time marketplace across the UK, KSA and Uzbekistan. The app is available for individuals and businesses; from agents to developers, landlords and more.



X-CODE / TASHKENT CODE

ALGORITHM DESIGN & IMPLEMENTATION

An advanced urban coding framework expanding on the principles of the Smart Code.

Developed for New Tashkent by Cross Works, it uses transects, densities, land use, and design control parameters to generate procedural city blocks adaptable to any context.

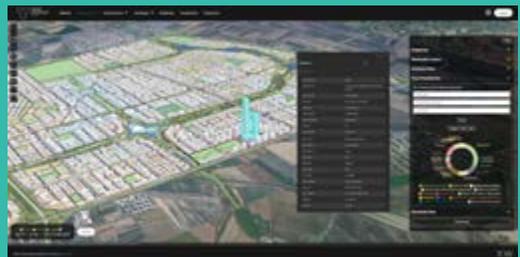


NEW TASHKENT DIGITAL TWIN

DIGITAL TWIN

A fully interactive geospatial platform integrating masterplan data, infrastructure, and design guidelines. The twin combines 3D models, custom basemaps, and immersive videos to present the full vision for New Tashkent.

It features desktop and VR environments accessible via online streaming or download. The platform links directly with the city's GIS portal, enabling public engagement and real-time project exploration.



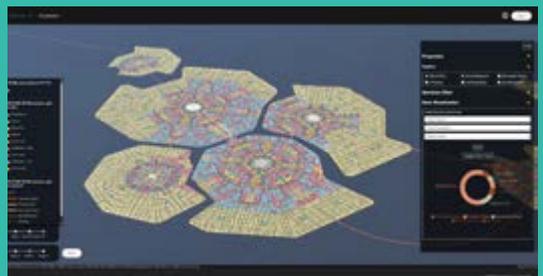
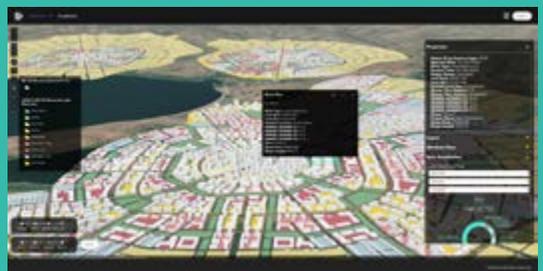


NEW KHARKHORUM DIGITAL TWIN

DIGITAL TWIN

The New Kharkhorum Digital Twin is an advanced geospatial platform designed to visualise the city's masterplan in both 2D and 3D, integrating real-time data and interactive features.

Built within a custom GIS portal, it enables seamless exploration of the proposed urban framework, infrastructure, and modular design principles.



NEW TASHKENT ARCHITECTUREAL GUIDELINES & PILOT PROJECTS

PROCEDURAL FACADE GENERATION

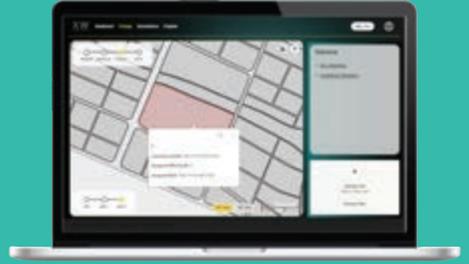
A computational system producing context-driven façades aligned with New Tashkent's architectural guidelines. The framework applies procedural logic to generate flexible, detailed building designs.



UP-DATE

CHANGE MANAGEMENT APP

A software tool for the management of masterplan modifications, approvals, and coordination; particularly useful for large-scale megaprojects. It connects to ArcGIS, enabling efficient workflow tracking and geospatial updates.



OFF-GRID

GPS-ENABLED OFFLINE MASTERPLAN VISUALISATION WITH AR

An iOS application designed for professionals working in remote or signal-deprived areas, enabling seamless exploration of geospatial data offline. It supports offline maps using .mmpk files, real-time GPS tracking, and detailed attribute access for points of interest.



IN-SYNQ

RHINO/GRASSHOPPER UNREAL ENGINE LIVE BRIDGE

An open-source bridge linking Rhino/Grasshopper with Unreal Engine for live parametric synchronisation. It supports real-time multi-user collaboration, procedural geometry, and seamless data exchange.





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