

Empowering Dubai's AI Vision for a Sustainable Future

*Aligning Vosyn's AI Localization and
Contextualization with Dubai's SDG and
ESG Goals for Inclusive Digital
Transformation*



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In preparing this Report, Vosyn Inc. has adopted a rigorous methodology modeled after leading industry research and state-of-the-sector analyses. Our approach integrates both qualitative and quantitative data, drawing from internal records, stakeholder engagement, and third-party sources. All findings and case studies are evaluated through a local alignment methodology and impact lens, ensuring relevance to our operational context and the communities we serve. Citations are provided where applicable, and our analysis is structured to transparently communicate both achievements and areas for improvement. The use of advanced AI technologies supports our data collection, analysis, and reporting processes, enhancing accuracy and enabling deeper insights into ESG and SDG-related outcomes. This methodology is consistent with best practices found in academic research and industry benchmarking reports.

Future-Oriented ESG and Sustainability Information: The Report includes forward-looking information about prospective ESG and sustainability results, including alignment with the SDGs, responsible AI practices, and anticipated environmental and social impact. These projections are based on assumptions about future economic conditions, regulatory developments, and courses of action, and are not presented in the format of historical financial statements. Actual results may vary from the ESG and sustainability outlook summarized in this Report.

Historical Information Illustrative Only: Historical statements contained in this document regarding past ESG or sustainability trends or activities should not be taken as a representation that such trends or activities will continue in the future. In this regard, certain ESG and sustainability information contained herein has been extracted from, or based upon, information available in the public domain and/or provided by the Company. In particular, historical results, including with respect to other AI or technology companies, should not be taken as a representation that such trends will be replicated in the future with respect to Vosyn Inc..

Vosyn Inc. is committed to advancing ESG principles and supporting the achievement of the SDGs through responsible innovation, ethical governance, and sustainable business practices, with AI as a key enabler of positive impact. We strive to continuously improve our ESG and sustainability performance, transparently report our progress, and engage stakeholders in our journey toward a more inclusive, equitable, and sustainable future.

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Vosyn's Platform & Strategic Fit

- Core capabilities: localization, voice AI, analytics
- Inclusion for diverse communities
- Alignment with national strategies (AI 2031, Clean Energy 2050)

National & Policy Context

- Key vision and objectives
- Role of UAE sustainability commitments (Vision 2031, Net Zero 2050)
- Dubai's smart city transformation
- ESG priorities and key challenges
- Vosyn's platform
- Overview of six applications

High-Impact Applications

- Smart Tourism & Cultural Heritage
- E-Government & One-Stop Services
- Climate Data & Environmental Monitoring
- Multilingual EdTech & Skills Development
- Inclusive Finance & Green Investment
- Urban Water & Sustainability

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- Environmental contributions
- Social inclusion and empowerment
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- Partnerships and investment opportunities
- Conclusion and call to action

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A city skyline at sunset, featuring several prominent skyscrapers. The sky is a mix of light blue and orange. In the foreground, a multi-lane highway with traffic is visible. A large blue circle is overlaid on the left side of the image, containing the text 'Executive Summary' in white.

Executive Summary

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National Digital Transformation

Dubai and the UAE are embarking on an ambitious digital transformation journey underpinned by inclusive artificial intelligence (AI), environmental sustainability, and knowledge-driven development. National agendas – from We the UAE 2031 and the National AI Strategy 2031 to the Dubai Digital Strategy and UAE Centennial 2071 – prioritize smart, inclusive government services, sustainable urban growth, Arabic language innovation, and broad-based digital adoption.

Commitment to Global Goals

In parallel, the UAE's commitment to the UN Sustainable Development Goals (SDGs) – especially quality education, industry innovation, reduced inequalities, sustainable cities, climate action, and strong institutions (SDGs 4, 9, 10, 11, 13, 16) – underscores a vision of a future that is prosperous, inclusive, and sustainable.



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Impact Highlights...

Our impact in Dubai and the UAE

As a multilingual, contextual, and voice-preserving AI platform, Vosyn is uniquely positioned to support the UAE's ambitious digital transformation. Its capabilities in real-time localization, cultural nuance recognition, voice localization, and accessibility directly align with Dubai's and the UAE's strategic goals. By bridging language barriers while preserving each speaker's voice and intent, Vosyn empowers inclusive smart government services, enriches Arabic digital content, enhances smart tourism, and accelerates private sector digitalization in line with ESG objectives.

Vosyn AI for Government and Citizens

Vosyn enhances bilingual public services with real-time translation and chatbots, supporting inclusivity across 200+ nationalities.

Vosyn AI for Smart Tourism and Culture

From AI-powered tourism assistants to cultural storytelling, Vosyn enriches experiences for visitors while preserving Arabic heritage.

Vosyn AI for Sustainability and Education

Vosyn supports climate awareness campaigns, e-learning localization, and accessibility for people of determination.

100+ languages supported

Our technology enables seamless multilingual communication, ensuring accessibility for Dubai's diverse population.

Voice localization & preservation

Public figures and citizens can speak naturally, with their unique voice and tone preserved across localizations.

Inclusive services

From smart government to tourism, Vosyn integrates with platforms to make digital services accessible to all.

Sustainability & ESG alignment

AI tools promote awareness campaigns, climate communication, and inclusive education, supporting SDG targets.

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National & Policy Context

UAE's Vision: Inclusive AI, Digital Transformation, and Sustainability

The UAE has articulated clear national visions that emphasize inclusive AI adoption, digital transformation, and sustainable development. The UAE 2031 – a ten-year national plan – focuses on social development, economic diversification, and technological advancement to double the UAE's GDP and establish the nation as global partner and hub. Its pillars include a "Forward Ecosystem" that enhances government performance and infrastructure through the latest technologies, including digital infrastructure upgrades. Complementing this, UAE Centennial 2071 provides a 50-year roadmap aimed at making the UAE the "best country in the world" by investing in future generations' education, advanced skills, and happiness. The Centennial blueprint rests on pillars of a future-focused government, excellent education in advanced sciences, a diversified knowledge economy driven by innovation, and a happy, cohesive society that embraces tolerance and inclusion. Taken together, Vision 2031 and Centennial 2071 underscore long-term commitments to technological innovation, human capital development, and an inclusive society.

Policy Leadership in Responsible and Inclusive AI

At the policy level, the UAE is a recognized leader in harnessing emerging technologies responsibly and inclusively. The UAE National Strategy for Artificial Intelligence 2031 aims to transform the UAE into a fast adopter and global leader in AI by 2031. This strategy, alongside the National Program for AI, emphasizes integrating AI across government and priority sectors, nurturing local AI talent, and building a secure, ethical digital ecosystem. Notably, the UAE government explicitly seeks to "embed digital aspects into overall government strategies" with a mandate to leave no one behind. The UAE's Digital Government Strategy 2025 is built on eight dimensions, first among them being "Inclusive by default", ensuring all segments of society benefit from digital services. This entails accessible e-services, closing digital divides, and focusing on the needs of vulnerable groups such as the elderly and people of determination (persons with disabilities). It's no surprise that the UAE's official vision for sustainable development stresses inclusive growth – for example, under SDG 10 (Reduced Inequalities), the UAE aims to "promote an inclusive environment that integrates all segments of society while preserving the UAE's unique culture and traditions."

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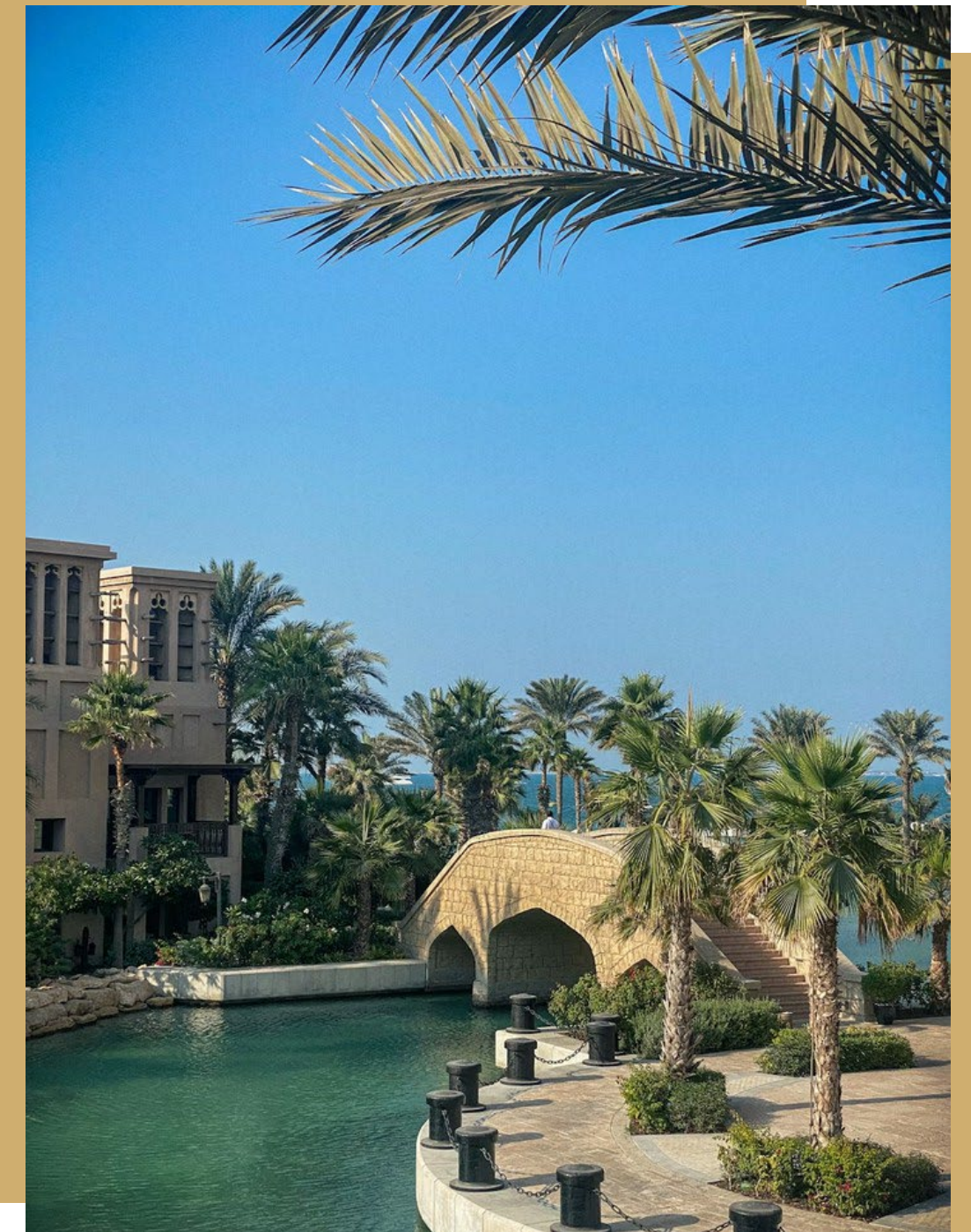
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Dubai’s Digital Strategy and Smart Government

Dubai, as the nation’s innovation engine, has aligned its local strategies with these national goals. Dubai’s Digital Strategy seeks to “digitalise all aspects of life in Dubai”, building a reliable digital system that boosts the digital economy and empowers a digitally-driven society. Launched by the Dubai leadership in 2023, this strategy aims to make Dubai the world’s most advanced digital economy, with objectives such as 50 city-wide digital initiatives, a 90% improvement in digital wellbeing, and training 50,000+ professionals in advanced digital skills. The strategy is built on seven pillars including a “digital city”, “digital economy”, and “digital talent”, and explicitly highlights the importance of leveraging new technologies like artificial intelligence (AI) and generative AI to develop proactive, user-centric services. Dubai’s government has already achieved 100% paperless operations and 99.5% digital service adoption, reflecting a culture of tech-driven governance. Inclusive smart government is a core theme – Dubai’s digital transformation stresses integrated services that are accessible to all

With Dubai’s authorities introducing innovations like AI-powered virtual officials (e.g. a multilingual “Emirati AI family” to communicate public messages in human-friendly ways) and omni channel platforms for every resident or visitor. These efforts echo the UAE’s federal push for 100% mobile government (mGovernment) services and a fully connected society.

Digital Innovation for Sustainability

Crucially, the UAE’s digital and AI strategies are intertwined with its sustainability and ESG agenda. The UAE was the first country in the MENA region to commit to achieving net zero carbon emissions by 2050, aligning economic development with environmental stewardship. Government initiatives link technology and sustainability – from AI-driven smart city systems that optimize energy and mobility, to big data platforms for climate resilience. Dubai’s own urban plans, such as the Dubai 2040 Urban Master Plan, map out a path for “sustainable urban development in Dubai” focusing on residents’ happiness and quality of life.

This plan aims to develop “vibrant, healthy and inclusive communities”, double the city’s green spaces, promote sustainable mobility, and ensure environmental sustainability in tandem with economic growth. Not only does this create a blueprint for smart, sustainable cities (SDG 11), it also demands advanced technologies to engage the public and manage resources efficiently. In the lead-up to hosting major global climate events (Dubai hosted COP28 in 2023), UAE leaders have stressed using innovation to combat climate challenges. For instance, the UAE’s National Strategy to Combat Desertification calls for deploying modern technology, raising awareness, and building national capacity to adapt to climate change in arid ecosystems. Already, the UAE has rolled out AI-enabled solutions like smart soil monitoring for farms and early-warning systems for sandstorms, alongside “numerous awareness campaigns to engage the public in combating desertification.” These illustrate how digital tools are central to sustainable development and public engagement (supporting SDG 13 on Climate Action and SDG 15 on land ecosystems).

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Arabic Language Innovation and Cultural Preservation

Arabic language and cultural preservation are another priority where technology and national identity intersect. The UAE is championing Arabic language innovation to ensure Arabic not only endures but thrives in the digital age. As a recent Emirates News Agency piece noted, “The UAE has set a model in leveraging AI to integrate the Arabic language and its cultural heritage into the digital sphere, boosting its regional and global presence as a language capable of meeting future demands.”

This includes high-profile projects like the Historical Arabic Language Dictionary and AI-powered Arabic-English dictionaries, Arabic NLP research, and digital content platforms hosting millions of Arabic titles. The country even launched its own advanced Arabic large language model in 2023 (the “Falcon” model), reflecting a strategy to lead in AI while empowering the Arabic language. In sum, the UAE’s vision of inclusive AI is one that bridges cultures and languages – aligning perfectly with Dubai’s cosmopolitan makeup – so that digital progress does not come at the expense of cultural and linguistic diversity. Instead, AI is seen as a tool to enhance linguistic inclusion (SDG 10) and ensure Arabic’s vitality for future generations.



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Vosyn as a Strategic Enabler

Against this backdrop of forward-looking strategies, Vosyn’s capabilities emerge as timely and aligned solutions. Vosyn’s core mission – breaking language barriers through real-time, context-aware AI – directly supports the UAE’s push for a more inclusive, knowledge-based, and sustainable society. In the following sections, we detail Vosyn’s platform features and illustrate how they map to specific national goals and global sustainability targets. We also explore concrete use cases in Dubai where Vosyn’s multilingual and voice technologies can create immediate public value, from government services to tourism, accessibility, and climate communication.



The message is clear: by partnering with innovators like Vosyn, Dubai and the UAE can realize their visionary national agendas faster and more effectively, ensuring that no one is left behind in the country’s digital and sustainable development journey.

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100+
languages supported

Vosyn enables seamless multilingual communication across Dubai’s diverse population.



Inclusive by design

Accessibility features empower people of determination, elderly citizens, and non-native speakers.



Vosyn's Platform & Strategic Fit

Vosyn's AI Platform: Multilingual, Contextual, Voice-Preserving Technology

We have developed a cutting-edge AI platform specializing in real-time localization of voice and content, designed to make global communication personal, authentic, and inclusive. At its heart lies VosynCore, a proprietary multilingual AI engine that powers seamless localization and voice synthesis across languages, media, and contexts.

Vosyn's technology is distinguished by several key capabilities:

Real-Time Multilingual Localization:

Vosyn delivers precise, instant localization of speech and text in real time across dozens of languages ²⁶. Whether in a live conversation, a phone call, or streaming media, the system can localize on the fly, enabling participants who speak different languages to understand each other effortlessly. This real-time aspect means Vosyn can be deployed in dynamic environments like live customer service, smart city kiosks, or emergency response, where waiting for a human localizer or traditional dubbing is impractical. In partnership with cloud providers, Vosyn is “reinventing how the world accesses and experiences global content” through instant voice synthesis and localization – “preserving the original tone, voice, and context.” ²⁷ The ability to maintain conversational flow without language barriers is a game-changer for cross-cultural communication.

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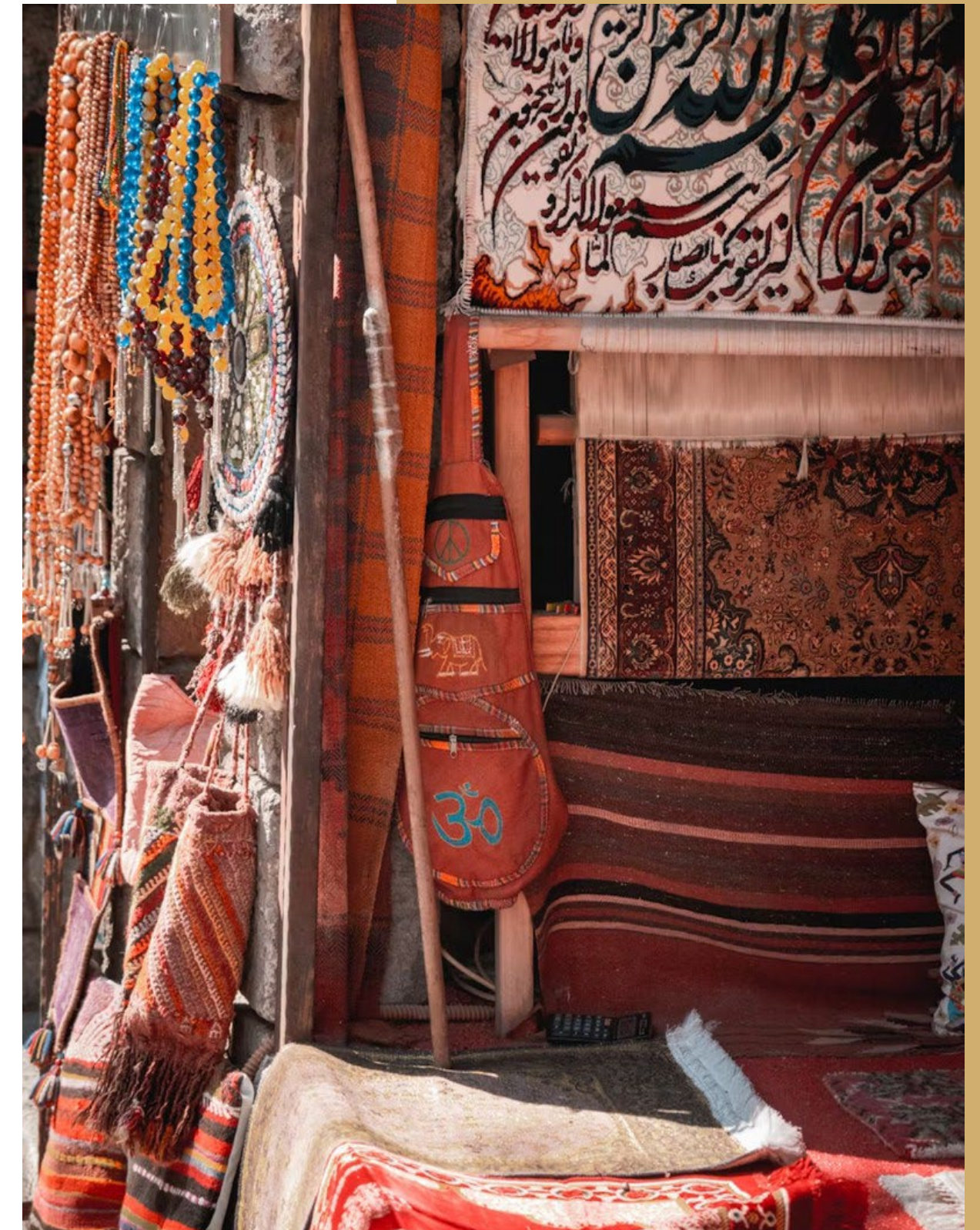
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Understanding context and cultural nuance:

Unlike literal localization tools, Vosyn's AI is built to grasp context and preserve the meaning and nuance behind words. VosynCore is explicitly designed to adapt to cultural cues, idioms, and emotional tone, ensuring that localizations are contextually accurate and culturally appropriate. For example, an Arabic proverb spoken by a UAE official can be conveyed to an English listener in an equivalent, culturally resonant way, rather than as a confusing direct localization. Vosyn "preserves tone, emotion, and cultural nuances", allowing the richness of the original message to carry through in the target language. This capability addresses a common failing of generic localization engines – losing subtleties and local context – and is vital for applications like education, diplomacy, and media where fidelity of intent is paramount.

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“If you talk to a man in a language he understands, that goes to his head. If you talk to him in his own language, that goes to his heart.”
— Nelson Mandela

Voice Preservation and Localization:



Real-Time Voice Adaptation

Vosyn adapts speech instantly across languages while preserving original tone and rhythm.



Cultural & Dialect Localization

Voices can be tailored to local dialects or cultural expectations, enhancing authenticity.

Engagement & Immersion

Listeners are more engaged when localizations carry the same emotion and identity as the original voice.

One of Vosyn's most innovative features is its ability to retain the speaker's unique voice characteristics across languages. Using advanced voice synthesis, Vosyn can output localized speech in a voice that matches the original speaker's tone, accent, and even emotional timbre. In practice, this means a public figure in Dubai could give a speech in Arabic, and international audiences could hear it in English in a voice that still sounds like the original speaker, preserving the personal connection and trust. Vosyn "adapts voice and text in real time to bridge cultural and language barriers", making every conversation feel personal. Additionally, Vosyn can localize voices – for instance, adjusting an English narration into Arabic not only in words but in a manner consistent with local dialect or expectations (voice localization). This voice-preserving AI fosters authenticity: listeners are more engaged when the localized voice carries the same emotion and identity as the source. It also opens creative possibilities, such as multilingual media content where actors' own voices are heard in every language, enhancing viewer immersion.

Multi-Modal Integration (Text, Voice, Video):

Vosyn's platform is versatile across different media formats. VosynCore can handle voice, text, and even video localization in unison. For example, it can provide real-time localized subtitles for a live video broadcast, or dub a video conference call on the fly while matching the speaker's lip movements and tone. This multimodal adaptability means enterprises and governments can deploy Vosyn in a range of scenarios – from transcribing and localization council meetings, to localizing e-learning videos for schools – all using one integrated AI engine.

The system scales across use cases, from consumer mobile apps (the VosynVerse platform) to enterprise integrations (through Vosyn Connect APIs). This ensures that “whether you’re an individual, creator, or enterprise, Vosyn’s solutions grow with your needs.”

Accessibility and Inclusive Design:

Accessibility is built into Vosyn's AI tools. By converting between spoken words and text seamlessly, in multiple languages, Vosyn can serve as an assistive technology for people with disabilities. For instance, the platform can generate instant closed-captioning in Arabic for a deaf user during an English video call, or read aloud on-screen text in a natural Arabic voice for a visually impaired user. Vosyn's focus on “building for everyone” aligns with principles of universal design.

We also provide features like voice-controlled interfaces and comprehensive support for diverse accents to ensure that everyone – regardless of language, literacy or ability – can interact with digital content. In short, Vosyn's multilingual accessibility features help widen the reach of digital services to include non-native speakers, the elderly, and persons of determination, echoing the UAE's commitment to an inclusive digital ecosystem.

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We Make Global Content Accessible to Everyone

Collectively, these capabilities enable Vosyn to fulfill its mission of “making global content accessible to everyone” through AI. Vosyn’s proprietary foundational models and deep learning techniques ensure high fidelity localization that is not only linguistically accurate but also contextually apt and emotionally resonant. By “bridging cultural and language barriers” in real time, Vosyn connects people without forcing them to switch languages or lose their voice – quite literally. This human-centric approach to AI localization sets Vosyn apart as an ideal enabler for governments and organizations striving to communicate authentically with diverse audiences.

Ethical and Responsible AI at Scale

It is important to note that Vosyn achieves these feats responsibly. The platform emphasizes data privacy and bias mitigation, aligning with the UAE’s focus on ethical AI. Vosyn operates within a “responsible framework” to ensure localizations do not propagate cultural misunderstandings or harmful content. This dedication to trustworthy AI is critical for building user confidence and for compliance with UAE’s data and AI ethics guidelines (such as the UAE’s principles on AI ethics and the data privacy law). Vosyn’s recent collaboration with Google Cloud – leveraging advanced AI infrastructure to scale its solutions – further underscores its commitment to deploying “AI at scale” in a secure, efficient manner.

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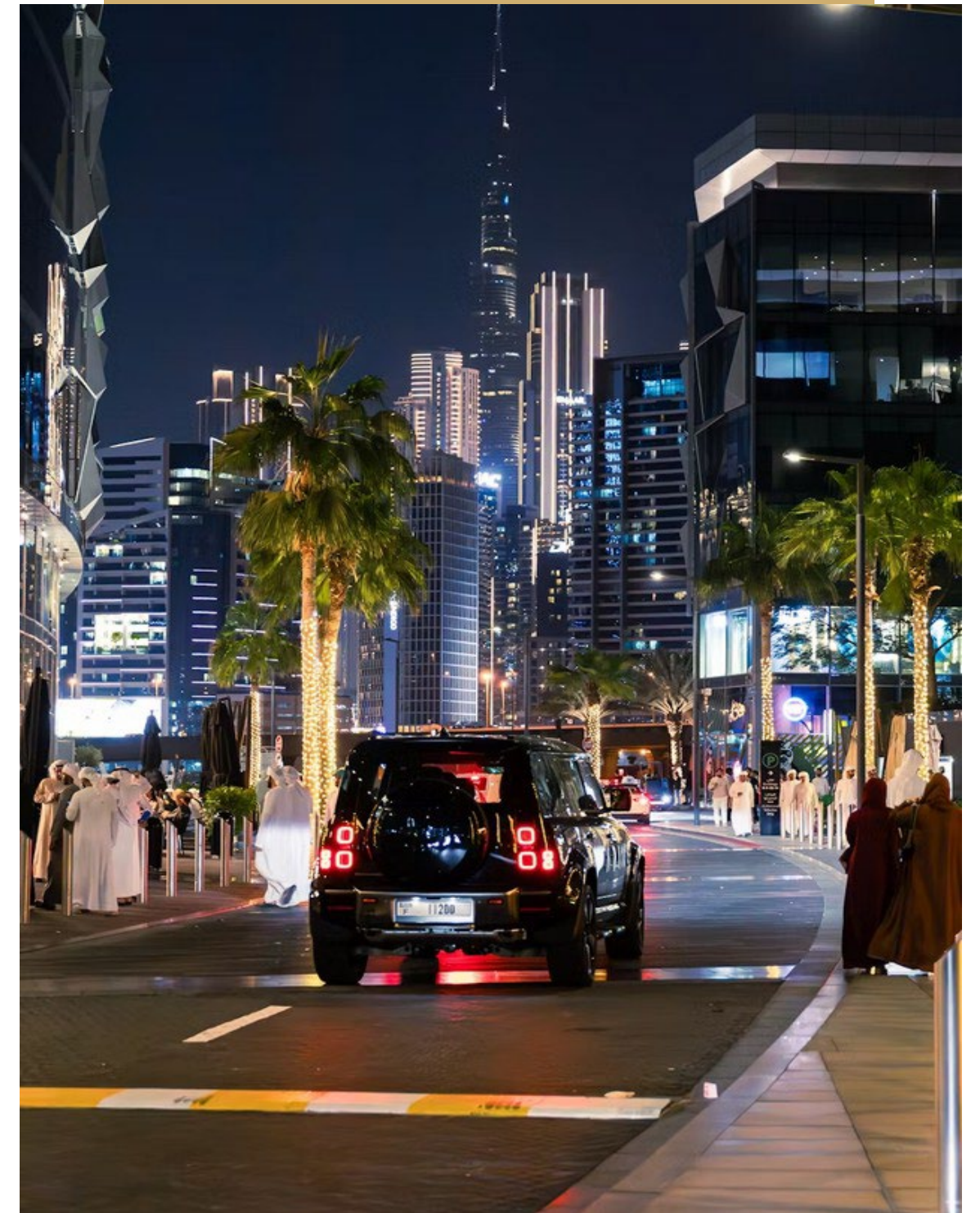
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Summary

In summary, Vosyn’s multilingual, contextual, and voice-preserving AI aligns naturally with a country that is multilingual, culturally rich, and globally connected like the UAE. Arabic and English are the UAE’s two most used languages in daily life and governance; Vosyn treats them (and dozens of other languages) as first- class citizens, ensuring neither is a barrier to communication. As we proceed, we will map these capabilities directly to the UAE’s strategic objectives and SDGs, then explore how they can be applied in Dubai’s context. The following table provides an overview of how Vosyn’s features correspond to specific Sustainable Development Goals, and subsequently we detail alignment with UAE/Dubai government strategies.

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Map of Capabilities to Sustainable Development Goals

Vosyn’s platform contributes to several UN Sustainable Development Goals, particularly those prioritized by the UAE (SDG 4, 9, 10, 11, 13, 16). The table below illustrates the alignment between Vosyn’s key features and these SDGs, highlighting the targets or outcomes that the technology can help advance:



Real-Time Multilingual localization

SDG 4: Quality Education – Enables multilingual education content and teacher-student communication, promoting inclusive learning for non-native speakers. SDG 10: Reduced Inequalities – Bridges language gaps for migrants and expatriates, ensuring equal access to public information and services for all linguistic groups . SDG 16: Peace, Justice & Strong Institutions – Facilitates inclusive governance by allowing everyone to engage with government services and information in their own language, building trust in institutions.



Contextual & Cultural Nuance Preservation

SDG 10: Reduced Inequalities – Respects and preserves cultural identity in communications, ensuring minority languages and expressions are accurately represented (cultural inclusion). SDG 16: Strong Institutions – Improves the quality and legitimacy of public communication by conveying the true intent and tone of official messages across languages, thereby enhancing transparency and understanding. Also supports SDG 4 by enabling cross-cultural educational content without loss of meaning.

Voice Preservation & Localization

SDG 9: Industry, Innovation & Infrastructure – Showcases innovation in AI by localizing content (e.g., media, entertainment) for new markets, supporting creative industries and digital infrastructure growth. SDG 11: Sustainable Cities & Communities – Strengthens social inclusion in cities by allowing diverse communities to consume media and announcements in a familiar voice and accent, fostering a sense of belonging. SDG 10: Reduced Inequalities – Gives marginalized language speakers representation by preserving their voice and accent in digital media, reducing linguistic bias.

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Mapping Vosyn’s Capabilities to Sustainable Development Goals

Vosyn’s platform contributes to several UN Sustainable Development Goals, particularly those prioritized by the UAE (SDG 4, 9, 10, 11, 13, 16). The table below illustrates the alignment between Vosyn’s key features and these SDGs, highlighting the targets or outcomes that the technology can help advance:



Accessibility Features (Voice & Text)

SDG 10: Reduced Inequalities – Provides people of determination (disabled individuals) with real-time tools (voice-to-text, text-to-voice, etc.) to access information equally. SDG 11: Sustainable Communities – Enhances urban inclusion by making city services (transport info, emergency alerts, etc.) accessible to the visually or hearing impaired in Arabic and other languages. SDG 16: Inclusive Institutions – Ensures that public-facing digital services are usable by all citizens, regardless of literacy or ability, reflecting inclusive governance by design.



Real-Time Voice & Data Localization

SDG 9: Industry & Innovation – Helps local businesses globalize responsibly by localizing apps and content, contributing to economic innovation and the digital economy. SDG 4: Quality Education – Localizes educational software and e-learning platforms into multiple languages and dialects, promoting lifelong learning opportunities for all. SDG 13: Climate Action – Enables localized climate awareness content (e.g., emergency warnings, educational campaigns) in local languages and voices, improving public responsiveness to climate initiatives (supporting climate adaptation and education)

Summary

Table: Vosyn’s features mapped to key Sustainable Development Goals (SDGs) targeted by the UAE’s 2030 Agenda commitment. Each feature supports multiple SDGs by design – for instance, multilingual localization tackles inequality and improves institutional inclusivity, while accessibility features directly reduce inequalities and make cities more inclusive. By deploying Vosyn’s capabilities, stakeholders can accelerate progress on these goals through technology-driven inclusion and innovation.

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Aligning Vosyn with UAE and Dubai Strategic Initiatives

Beyond the global goals, Vosyn’s platform aligns closely with specific UAE and Dubai government strategies and policy objectives. The table below maps Vosyn’s capabilities to national and emirate-level strategies – demonstrating the synergy between what Vosyn offers and what Dubai/UAE leadership are prioritizing:

Multilingual, Voice-Preserving AI (General)

Dubai Digital Strategy: Contributes to a “digitally-driven society” by enabling bilingual government services and content accessible to all residents, supporting Dubai’s goal to digitalize all aspects of life. Helps Dubai maintain top rankings in e-service indices by offering real-time multilingual support. UAE Digital Government Strategy 2025: Embodies the “Inclusive by default” dimension by overcoming language barriers and ensuring no one is left behind in the digital transformation. Enhances digital well-being and user satisfaction by providing services in users’ native languages. UAE Centennial 2071: Supports the pillar of a “future-focused government” with inspirational leadership – Vosyn’s AI allows UAE government entities to anticipate needs and communicate proactively in many languages, fortifying the UAE’s soft power and global reputation. It also aids the “happy and cohesive society” pillar by promoting tolerance and inclusion through respectful cross-cultural communication.

Real-Time localization in Public Services

National AI Strategy 2031: Advances the objective of integrating AI across government services to “enhance citizen experiences” and improve efficiency. By automating localization and interpretation, Vosyn helps government offices and smart city services adopt AI to serve the diverse population, aligning with the UAE’s aim to be a global AI leader by 2031.



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Aligning Vosyn with UAE and Dubai Strategic Initiatives

Dubai's Inclusive Smart Government Initiatives: Augments programs like DubaiNow (one-stop app for government services) by adding instant Arabic-English voice and text localization for expats and residents. This reflects Dubai's commitment to a user-driven, accessible government (as highlighted by the UAE's user-centric digital principles). We the UAE 2031 – Forward Society: Facilitates the prosperity of society by empowering all residents (Emirati and expatriate alike) to access information and contribute, regardless of language. Aids the vision of Emirati cities ranking among the world's best in quality of life through world-class, multilingual city services.

Cultural Nuance & Arabic Language Innovation

Arabic Language Empowerment Policies: Directly supports UAE initiatives to enhance Arabic content and AI. Vosyn's ability to handle Arabic nuances and preserve cultural context reinforces projects like the Historical Arabic Dictionary and AI Arabic NLP models. By making Arabic content globally accessible (and vice versa), Vosyn aligns with the UAE's model of leveraging AI to boost Arabic's global reach. UAE National Identity & Tolerance (SDG10): Aids the UAE's promotion of a tolerant, multicultural society by enabling communications across cultures without diluting identity.

Government messages can be delivered in multiple languages while preserving the original voice and message, projecting the UAE's values internationally. This helps achieve "soft power" and cultural exchange goals under Centennial 2071 (fortifying the country's reputation). Dubai Culture & Tourism Strategies: Enhances cultural tourism experiences by providing museum, heritage site, and event content in visitors' native tongues with local flavor, in line with Dubai's strategy to be a top cultural and tourist hub.

Cultural Nuance & Arabic Language Innovation

Dubai Tourism Strategy: Dubai aims to significantly raise tourism's GDP contribution (targeted AED 450 billion by 2031) and to welcome visitors from around the globe. Vosyn's voice-localization can power voice-based AI tourist guides that speak tourists' languages on tours, in hotels, or at Expo City, making Dubai more welcoming and "smart". This aligns with Dubai's push for smart tourism, where AI chatbots already provide 24/7 multilingual assistance to visitors. Vosyn can take this further by offering spoken localizations on-site and preserving the charm of Emirati hospitality through voices that resonate culturally.

Smart Dubai Initiatives: Supports the city's AI-driven services in transportation and public safety. For example, a multilingual virtual police officer or metro announcement system using Vosyn could interact with tourists in English, Chinese, Russian, etc., enhancing safety and convenience. This helps position Dubai as a futuristic city where technology and comfort go hand in hand, echoing the "Smart City" pillar of the digital strategy and SDG 11 (inclusive, safe cities).



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Accessibility & Inclusion in Digital Services

UAE Disability Inclusion Strategy: In line with the National Policy for Empowering People of Determination, Vosyn provides tools (like automated sign- language avatars or text-to-speech in Arabic) to ensure disabled citizens can access e-services. This meets the mandate that government entities offer information in suitable formats for people with different abilities. Dubai has been deploying solutions like AI sign language interpreters on websites – Vosyn can extend such efforts with higher accuracy and more languages. Digital Dubai – Happiness Agenda: Dubai’s vision of being the “world’s happiest city” relies on accessible services that cater to all segments. By integrating Vosyn into public kiosks or mobile apps, an elderly Arabic-only speaker or a visually impaired resident can interact with services via voice commands or listen to outputs read aloud. This directly contributes to social inclusion and the well-being focus of Dubai’s plans (happiness indices, etc.).

SDG Commitment (Leaving No One Behind): UAE’s pledge to the SDGs is operationalized in projects that ensure equal access.

Vosyn’s accessibility features demonstrate how digital innovation can reduce inequality, a point not lost on policymakers tracking SDG progress.

Multilingual ESG and Climate Communication

UAE Net Zero 2050 Strategy: As the UAE drives towards its 2050 decarbonization goal, public awareness and private sector engagement are key. Vosyn can localize ESG (Environmental, Social, Governance) content and climate risk messages for different audiences (e.g., localization a sustainability guide for SMEs from English to Arabic with the same persuasive tone). This helps SMEs and community groups better understand and contribute to national climate targets. By making technical climate information accessible linguistically and audibly, Vosyn supports the society-wide approach called for in the UAE’s Net Zero drive. Dubai Sustainable City Initiatives: Dubai’s efforts like retrofitting buildings, promoting green living, and climate adaptation plans require citizen participation.



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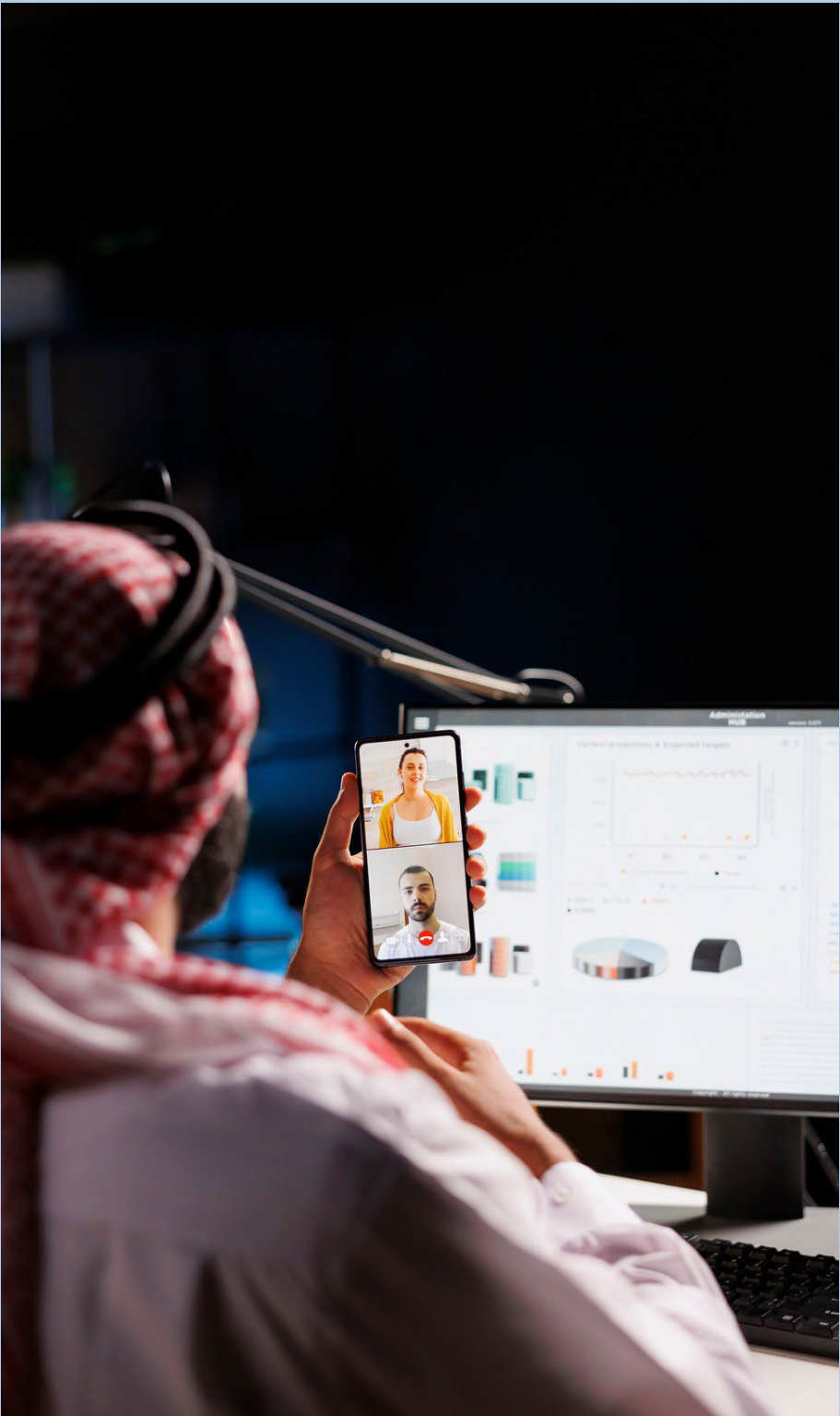
Vosyn-powered campaigns – for instance, a voice-notification system that delivers heatwave warnings or water-saving tips in multiple languages – align with Dubai’s climate adaptation and resilience goals. This also maps to SDG 13 (Climate Action) and SDG 11 (resilient communities), leveraging AI for public good. Corporate Sustainability Reporting: Regulators increasingly require sustainability disclosures. Vosyn’s multilingual reporting tools can help companies (especially SMEs) compile and present ESG reports in both Arabic and English efficiently, aligning with emerging green finance standards and Dubai’s push to be a sustainable business hub.

Summary

Table: Alignment of Vosyn’s capabilities with UAE and Dubai strategic goals. Across domains – government services, cultural preservation, tourism, digital inclusion, and sustainability – Vosyn’s features support and enhance the policies and strategies driving Dubai’s and the UAE’s future. By integrating Vosyn, stakeholders can accelerate policy implementation: e.g., achieving 100% accessible e-services, improving tourism experiences to bolster Dubai’s economy, and amplifying climate initiatives through inclusive communication.

The above mappings make it evident that Vosyn acts as a force multiplier for existing national initiatives. Where the UAE has set targets (like doubling the digital economy’s GDP contribution to ~19.4% by 2031 50 or becoming an AI talent hub), Vosyn provides enabling technology that can help reach those targets sooner by opening up new use cases and user groups. In particular, Vosyn aligns with the UAE leadership’s oft-stated principle that “data and technology should benefit all of society”. It operationalizes the leadership’s vision that government and businesses must collaborate on advanced tech to improve people’s lives, in a manner that is culturally respectful and socially inclusive.

Next, we explore concrete Dubai-specific use cases where Vosyn’s platform can be applied in the near term, demonstrating the tangible impact on inclusive smart government, smart tourism, ESG goals, and more.



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Dubai-Focused Use Cases: Driving Inclusion and Sustainability with Vosyn

To illustrate the transformative potential of Vosyn’s AI, we present several use cases set in Dubai and the UAE context. These scenarios show how Vosyn’s multilingual, voice-centric solutions can address real needs across government, society, and industry – directly supporting Dubai’s vision of a digitally empowered, inclusive, and sustainable city.

1. Bilingual Public Service Portals and Helplines

Use Case: A Dubai resident portal that offers seamless Arabic-English localization for all content and interactions, preserving the nuances of official communications. Whether an expatriate is applying for a visa on the portal or an Emirati citizen is accessing healthcare information, the platform instantly provides the information in their preferred language, spoken or written.

Additionally, government helpline numbers (for utilities, health, etc.) integrate Vosyn so that callers can speak in Arabic and be heard in English by the agent, or vice versa, all in real time.

Impact: This directly implements inclusive smart government. Dubai’s population is ~85% expatriate and highly diverse linguistically. With Vosyn, an Indian or French resident can navigate Dubai’s e-government services without language barriers, increasing usage and satisfaction.

Conversely, it ensures Arabic remains a primary language of service (supporting Emiratis and Arab speakers) while still serving others – no one is left behind. This supports SDG 16 by making institutions more accessible and trustworthy, and SDG 10 by reducing inequalities among language groups. Moreover, it helps Dubai achieve objectives like top rankings in the UN’s eService Index and 100% digital inclusion. The use of voice-preserving localization also means that announcements from, say, the Ruler of Dubai or a Ministry retain their authority and emotional resonance when localized, strengthening the connection between the government and all communities. By deploying this use case, Dubai could truly claim to have a bilingual smart government that sets a global example.



85%

Dubai’s population is ~85% expatriate and highly diverse linguistically.



100%

It helps Dubai achieve objectives like top rankings in the UN’s eService Index and 100% digital inclusion.

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Example:

Dubai launches “Tamkeen Voice” – an AI-driven feature on its DubaiNow app and 24/7 hotline. A Filipino resident speaks Tagalog or English to ask about renewing a trade license; the AI localizes the query to Arabic for the Emirati official in real time, and then localizes the answer back to Tagalog in the caller’s own voice. The result is a smooth conversation that feels natural to both parties. Such a system, powered by Vosyn, would leverage its contextual accuracy and real-time voice synthesis to handle even complex queries.

This kind of service aligns perfectly with the UAE’s goal of a proactive, user-driven government that anticipates needs and responds rapidly, since language is no longer a delay or friction point.

2. Voice AI Assistants for Smart Tourism and Elderly Care

Use Case (Elderly Care):

In a smart home or clinic setting, an Arabic voice assistant for the elderly helps senior citizens (who may only speak the Gulf Arabic dialect) to perform daily tasks or get information. The assistant can localize their Arabic requests into actions (like setting a reminder in English on a medical system) and also read out health instructions that were written in English, in clear Arabic. Because Vosyn preserves vocal emotion, the assistant’s voice sounds empathetic and human-like, which is crucial for user comfort.

Impact:

These use cases elevate Smart Tourism and Smart Healthcare to new heights. For tourism, providing ubiquitous multi-language support enhances Dubai’s reputation as a welcoming, world-leading destination. It aligns with Dubai’s strategy to use digital innovation to improve tourist experiences and increase tourism’s economic impact. The example of Expo 2020 showed the value of multilingual information; Vosyn can generalize that capability city-wide.

A specific reference: AI-driven tourist chatbots are already noted in Dubai’s tourism efforts, and with Vosyn’s voice localization, we go a step further to full conversational agents.

An AI like “Salem” would contribute to SDG 11 by making the city more inclusive for visitors, and to the UAE 2031 goals by boosting tourism appeal through innovation.

For elderly care, the voice assistant addresses a societal need: as populations age, having technology that seniors find natural to use (voice, in their mother tongue) improves their quality of life (SDG 3 on well-being, and SDG 10 reducing inequalities for the elderly). This supports the Centennial 2071 pillar of a “happy and cohesive society” where all generations are cared for. It also resonates with the UAE’s concept of being one of the best places to live for all ages. Dubai’s happiness agenda and initiatives for senior citizens (like community centers, telemedicine) would benefit from such AI helpers.

Example:

Dubai’s Department of Tourism partners with Vosyn to deploy “Amaani”, a multilingual AI officer available on WhatsApp and at physical info booths. Tourists type or speak queries to Amaani – “Where can I find authentic Emirati food?” – and get instant voiced answers in their language, with culturally tailored recommendations. The system recognizes cultural nuance: a Russian tourist asking for dining might get suggestions communicated in a style appealing to Russian culture. Meanwhile, the Dubai Health Authority uses Vosyn to create “Hanan”, a voice assistant for seniors that calls them daily (speaking Khaleeji Arabic) to remind them of medication, and can immediately localize any question they ask (even if the backend info is in English) into an Arabic answer. During the pilot, adoption and compliance rates among seniors improved markedly, demonstrating technology’s human touch.

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3. ESG and Sustainability Reporting for SMEs (Aligned with UAE Net Zero 2050)

Use Case

A platform for small and medium enterprises (SMEs) in the UAE that leverages Vosyn to help them compile and communicate their ESG (Environmental, Social, Governance) and sustainability reports in line with national standards. Many SMEs find sustainability reporting complex, especially if they operate in Arabic but must report in English (or vice versa for international investors). With Vosyn, an SME can input data or narrative in Arabic and instantly get an English version that maintains the correct terminology and tone – or input in English and receive a professional Arabic version for local stakeholders. The tool can also produce an audio summary of the company’s sustainability achievements in both languages, using the company leader’s own voice cloned for authenticity (with permission). This audio could be used in marketing or sent to government showcases of SME contributions to Net Zero 2050.

Impact:

This lowers the barrier for the private sector to engage in sustainability initiatives. By simplifying bilingual ESG communication, more SMEs can proudly share their efforts, learn from each other, and align with the UAE’s Net Zero 2050 Strategy. The UAE government has emphasized that achieving net-zero is a “comprehensive, society-wide effort”, including businesses of all sizes. Vosyn’s tool empowers businesses that might lack resources for localization or PR consultants, thereby democratizing sustainable business practices. It also helps with transparency – an SDG 16 element – as information on climate impact becomes accessible to the public in Arabic, fostering community support.

This use case aligns with UAE’s digital economy and green growth plans. As the UAE doubles its digital economy’s GDP share, digital tools like this ensure that growth is sustainable and inclusive of ESG values. It echoes initiatives by entities like UAE’s Ministry of Economy or Dubai’s Chamber of Commerce, which encourage SMEs to innovate and adopt sustainable models. Additionally, by supporting Arabic-language ESG content, Vosyn ensures that Arabic – the national language – remains prevalent in discourse about the country’s future, not overshadowed by English. This synergy of language and sustainability reflects the UAE’s dual focus on preserving heritage while pursuing modern goals.



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Example:

The Dubai SME Council introduces a “GreenVoice” portal powered by Vosyn. A small restaurant chain in Dubai uses it to generate their annual sustainability report: the owner speaks in Arabic about waste reduction and energy savings they implemented; Vosyn transcribes and localizes this into a polished English report for an investor meeting, and also produces a short Arabic podcast-style clip of the owner describing his sustainability journey. The government aggregates such clips to showcase how SMEs are contributing to the UAE’s climate goals, possibly in an Expo or COP event. Hearing it in the owner’s own enthusiastic voice (localized where needed) lends authenticity and inspiration. This encourages more SMEs to follow suit, creating a ripple effect of enhanced ESG engagement.

natural tone, allowing them to communicate with a clerk or an audience in real time. Similarly, blind or low-vision individuals can use a mobile app that listens to English content (e.g., an official announcement video with no Arabic audio) and reads out an Arabic version, preserving the speaker’s intonation.

Impact:

This is a direct embodiment of digital inclusion. Such tools ensure that disability is not a barrier to receiving information or expressing oneself in society. It supports UAE’s commitment that government entities must provide information to people of determination in formats suited to their needs. By focusing on Arabic, it ensures these citizens can engage in their native language. The impact touches on education (SDG 4 – imagine inclusive classrooms where lectures are transcribed in Arabic for deaf students), decent work (enabling disabled individuals to participate in workplaces with multilingual teams), and reduced inequalities (SDG 10).

3. Real-Time Accessibility Tools in Arabic for Persons with Disabilities

Use Case:

Deployment of real-time localization and transcription services in Arabic for people with disabilities (or “people of determination” as termed in the UAE) to enhance their access to public life. For example, at government service centers and public events in Dubai, provide tablets or smart glasses that use Vosyn to show sign language or captioning for deaf attendees whenever someone is speaking Arabic. Vosyn’s speech-to-text in Arabic is highly accurate and immediate, and it can also localize Arabic speech into other formats – even into Emirati Sign Language avatar interpretations on a screen. Conversely, for those who are non-verbal or hearing impaired, they can sign or type in Arabic, and Vosyn will voice out their words in a



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Dubai has been actively rolling out initiatives for accessibility – e.g., the “My Community” initiative, making Dubai disability-friendly, or the “People of Determination Hub” at Expo 2020, which showcased assistive tech. Vosyn can amplify these efforts by providing the linguistic AI layer that was missing. It can also support UN SDG 11 by making cultural events, mosques, and transportation systems more accessible (announcements on trains could be captioned on a personal device, etc.). In government strategy terms, this use case is a tangible step toward the “inclusive by default” digital government vision of 2025. It operationalizes inclusive design and accessibility at scale across the city.

Example:

During Dubai’s annual World Government Summit, the organizers ensure all sessions are accessible: attendees with hearing impairment are given AR glasses that display, in Arabic text, whatever is being said on stage (which might be English, instantly localized to Arabic by Vosyn). They can also opt to see an on-screen avatar performing sign language for key speeches – the content is fed by Vosyn’s real-time transcription API. One attendee, who is deaf, participates in a Q&A by signing her question; Vosyn’s system captures her sign (via a connected sign-to-text model), converts it to spoken Arabic for the moderator, and then localizes the moderator’s English answer back into Arabic text for her. This fluid interaction wows the audience and is highlighted in the media as an example of how Dubai leverages AI to include everyone. The Gulf News reports that Digital Dubai is “making government messages more accessible and engaging” through such AI-powered inclusivity measures – positioning Dubai as a leader in humane tech.

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5. Climate Risk Awareness and Desert Adaptation Campaigns

Use Case:

A nationwide climate awareness campaign utilizing Vosyn to deliver tailored messages about climate risks and adaptation strategies to various communities (city dwellers, farmers, students) in the UAE. For instance, over the hot summer, an AI voice (perhaps personifying an environmental mascot) could call residents or send voice notes with tips on reducing water and electricity usage, in their preferred language and with cultural context. In rural or desert-fringe areas, where some farmers or older citizens might only be fluent in Arabic (or specific dialects), the government could use Vosyn to broadcast radio or WhatsApp audio bulletins about sandstorm warnings, agricultural advisories for drought conditions, or techniques for soil preservation. The key is using local dialect and references to ensure the message resonates – Vosyn’s cultural nuance capabilities enable this localization. In schools, interactive voice apps could quiz kids in Arabic about recycling, then switch to English to connect with expat students, making climate education bilingual and fun.

Impact:

This addresses climate action through education and public engagement. The UAE government actively works to raise awareness on issues like desertification and extreme heat (World Desertification Day campaigns, etc.), recognizing that technology can amplify outreach. Vosyn makes these campaigns more effective by breaking the language barrier – essential in a country where large expatriate labor populations may not speak Arabic, and conversely some local communities prefer Arabic communication. By delivering the same core message in multiple languages and voices, the campaign ensures wider reach and understanding, which can lead to better community responses (like preparedness for heatwaves or willingness to adopt sustainable practices).

This supports SDG 13 (Climate Action), particularly the targets on education and awareness, and SDG 11 on disaster risk reduction in communities.

Additionally, using AI voices that are engaging can improve message retention. For example, a message about tree-planting might come from a beloved cartoon character’s voice in Arabic for kids, thanks to Vosyn’s voice cloning. The government’s climate communication thus becomes more interactive and relatable. This use case also ties into the UAE’s participation in global environmental days and its pledge under international conventions to involve the public (as indicated by the awareness goals in the National Desertification Strategy).

Example:

The Ministry of Climate Change & Environment (MOCCA) rolls out “DesertGuardian” – a multi-language AI hotline and social media campaign. Residents get periodic voice notes: an English-speaking construction worker in Dubai hears a Hindi audio (localized from Arabic) about staying hydrated and recognizing heat stroke symptoms, while a farmer in Al Ain gets an Arabic call with tips on water-efficient irrigation before a forecasted dry spell. Both messages originate from the same central content but are localized by Vosyn to be culturally appropriate and in the right language. The campaign uses an affable voice persona, so people feel comforted rather than alarmed. Over the summer, MOCCA reports increased awareness and fewer incidents of heat-related illness or crop issues, attributing part of the success to the personalized outreach. This demonstrates how AI can help implement adaptation measures at the community level, aligning with the UAE’s climate adaptation plans.

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Summary

These use cases represent just a sampling of the possibilities. Across each scenario, the common thread is collaboration – between Vosyn’s technology and Dubai/UAE stakeholders – to achieve outcomes greater than the sum of their parts. By integrating Vosyn into its digital ecosystem, Dubai can accelerate the realization of its strategic plans: government services become universally accessible, tourism becomes smarter and more inclusive, the private sector leaps forward in sustainable practice, vulnerable groups are empowered, and climate initiatives gain grassroots traction. Importantly, all this is achieved while honoring the cultural and linguistic fabric of the UAE – Arabic language and local voices remain front and center even as global connectivity grows.



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Conclusion: Partnering for Dubai's Inclusive and Sustainable AI Future

Dubai and the UAE stand at the forefront of marrying technological innovation with visionary policymaking. The nation's ambitions – from an AI-driven economy to a sustainable, happy society – require not just high-level strategies but on-the-ground implementation of cutting-edge solutions that touch people's everyday lives. Vosyn's multilingual, contextual, and voice-preserving AI platform is precisely such a solution, one that maps seamlessly onto the UAE's inclusive AI and digital transformation priorities.

In this report, we demonstrated how Vosyn's capabilities align with and enhance the UAE's national agendas (UAE Vision 2031, Centennial 2071, National AI Strategy) and Dubai's local strategies (Dubai Digital Strategy, smart government and city initiatives). We also mapped these capabilities to the UN SDGs, underlining the broad developmental impact of adopting human-centric AI. From enabling inclusive smart government services in every language, to preserving the Arabic language's richness in a digital world, to engaging the private sector and the public in sustainability efforts, Vosyn serves as a powerful enabler of UAE's goals. The Dubai-specific use cases – bilingual e-government portals, AI tourism assistants, accessibility tools, ESG reporting aids, and climate campaigns – bring these ideas to life, showing concrete benefits like improved citizen satisfaction, increased tourist engagement, better SME competitiveness, and stronger community resilience.

The successful future of Dubai's digital and sustainable development requires collaboration across government entities, industry innovators, and civil society. It calls for a coalition of the willing – those who believe technology must be inclusive and responsible, and that progress must elevate everyone. Vosyn, as an AI localization leader, extends a hand in partnership. We envision working closely with government agencies to integrate real-time localization in public services, with smart city planners to embed voice AI in urban infrastructure, with educational and cultural institutions to broaden content accessibility, and with businesses to globalize their reach responsibly. Each collaboration is an opportunity to pilot new solutions and set new benchmarks for what "AI for good" can achieve.



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By leveraging Vosyn's platform, Dubai can accelerate its journey to becoming not just a smart city, but a smarter society – one that is inclusive by design, celebrates its cultural heritage (through Arabic and beyond) while embracing the world, and meets its sustainability commitments through informed, engaged communities. This aligns with the leadership's vision of a future where government is anticipatory and citizen-centric, the economy is diversified and knowledge-driven, and society is cohesive and happy. When technology like Vosyn is applied in the service of these human goals, AI becomes more than a buzzword; it becomes a bridge between languages, between people, and between present challenges and future solutions.

In conclusion, we at Vosyn are confident and passionately committed to playing our part in Dubai's and the UAE's ongoing success story. The UAE's national priorities in inclusive AI, ESG, digital transformation, and sustainable development are bold and inspiring. To achieve them, it will take bold innovations and cross-sector cooperation. We invite UAE government departments, Dubai authorities, businesses, and NGOs to join us in co-creating AI solutions that are context-aware, culturally respectful, and inclusively designed. Together, we can ensure that the UAE's leap into the digital future leaves no voice unheard and no community behind – setting a global example of how a visionary nation harnesses technology to enrich its society and safeguard its future.

Let us unite to scale responsible, inclusive AI across Dubai and the UAE – transforming vision into reality, and language barriers into new bridges of understanding – as we build a digital future that truly belongs to everyone.



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An aerial photograph of a city skyline at sunset. The sky is a mix of light blue and orange. In the foreground, a multi-lane highway is filled with cars. Several tall buildings are visible, including a prominent one with a clock face and a red-tiled roof. A large, dark blue circle is overlaid on the left side of the image, containing the word 'References' in white text.

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