

22-24 November 2023

Mövenpick Grand Al Bustan, Dubai

Esri UAE User Conference

The program is subject to change without prior notice

<https://www.gistec.com/events/EsriUAEUC/>

Discover The 2023 Esri UAE User Conference

The conference program will encompass a wide array of sessions catering to diverse interests and skill levels alongside networking opportunities and an exhibition showcasing products and solutions. These sessions include plenary discussions featuring influential speakers from the GIS industry, as well as lightning talks on cutting-edge topics like digital twin and how location data plays a major factor in the decision making.

Moreover, technical sessions will provide comprehensive insights and updates on ArcGIS and its latest advancements. Additionally, fellow users will share their first-hand experiences and demonstrate how they successfully implemented GIS in user presentations. Participants can also explore an online map gallery, where the work of users is showcased through visually captivating maps.

Sponsors & Exhibitors

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Wednesday, November 22, 2023

Badge Collection	7:30 AM - 5:00 PM
Expo	9:00 AM - 5:00 PM
Online Map Gallery	9:00 AM - 5:00 PM

Workshops

Predictive Analysis: Modeling Spatial Data Using Statistics and Machine Learning	9:00 AM – 10:00 AM	Bahri A
Big Data and GeoAnalytics: An Overview	9:00 AM – 10:00 AM	Bahri B
Geospatial Strategy and Best Practices	9:00 AM – 10:00 AM	Harayer
ArcGIS Indoors: An Overview	9:00 AM – 10:00 AM	Salsabeel

Plenary Session Part 1 of 2

GIS – Creating the World You Want to See	10:30 AM - 12:30 PM	Rashidiya Grand
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Industry Sessions

ArcGIS in Municipal Governance	2:00 PM - 3:30 PM	Bahri A
ArcGIS in Smart Communities & Cities	2:00 PM - 3:30 PM	Bahri B
ArcGIS in Utilities	2:00 PM - 3:30 PM	Harayer
ArcGIS for Climate Action	2:00 PM - 3:30 PM	Salsabeel

Workshops

ArcGIS Parcel Fabric: Record & Quality Driven Workflows	4:00 PM – 5:00 PM	Bahri A
ArcGIS Knowledge: An Overview	4:00 PM – 5:00 PM	Bahri B
Exploring Immersive Experiences in ArcGIS	4:00 PM – 5:00 PM	Harayer
ArcGIS Pro: Migrating from ArcMap	4:00 PM – 5:00 PM	Salsabeel

Thursday, November 23, 2023

Badge Collection	8:00 AM - 12:30 PM
Expo	8:00 AM - 4:30 PM
Online Map Gallery	8:00 AM - 4:30 PM

Workshops

Review GIS data & model workflows using ArcGIS Data Reviewer & workflow Manager	9:00 AM – 10:00 AM	Bahri A
ArcGIS Enterprise: Considerations for Upgrading to 11.x	9:00 AM – 10:00 AM	Bahri B
ArcGIS Foundation for Digital Twins	9:00 AM – 10:00 AM	Harayer
Development Strategies for Desktop & Mobile Apps	9:00 AM – 10:00 AM	Salsabeel

Plenary Session Part 2 of 2

Tech Showcase & In-Depth Look	10:30 AM - 12:30 AM	Rashidiya Grand
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Workshops

ArcGIS Field Map	2:00 PM – 3:00 PM	Bahri A
Migrating Data into ArcGIS - Key tools & best practices	2:00 PM – 3:00 PM	Bahri B
Imagery: Using Deep Learning for Feature Extraction and Classification	2:00 PM – 3:00 PM	Harayer
ArcGIS Utility Network: Advanced Network Management	2:00 PM – 3:00 PM	Salsabeel
ArcGIS Dashboards: Best Practices	3:30 PM – 4:30 PM	Bahri A
Imagery: What's New	3:30 PM – 4:30 PM	Bahri B
ArcGIS Enterprise: System Migration Strategies and Planning	3:30 PM – 4:30 PM	Harayer
ArcGIS Experience Builder: Migrating from ArcGIS Web AppBuilder	3:30 PM – 4:30 PM	Salsabeel



Plenary

GIS – Creating The World You Want to See

In this engaging session, we'll explore the latest trends and innovations in GIS. Hear from Esri and GIS experts, gain strategic insights, and get a snapshot of what's new in the field. Join us to stay updated and make informed decisions for your organization's resilient future, discover how you can leverage.

GIS capabilities to solve problems, build shared understanding, and create the world you want to see using a geographic approach and GIS technology.

Welcoming Message

Jack Dangermond / Esri

Opening Address

Mohamed Abuziad / gistec

GIS – Creating The World You Want to See

Mohamed Issa / Esri

Location: The Key to Unlocking Digital Twins

Matt Piper / Esri

Digital Twin

Safa Kasmi / Dubai Municipality

A digital twin refers to a virtual representation of a physical object or system created using Esri's GIS technology. This digital twin encompasses spatial data, attributes, and real-time information, allowing users to simulate, monitor, and analyze the real-world counterpart. It provides a dynamic, data-rich model that aids in decision-making, maintenance, and optimization of assets and processes in various industries, such as urban planning, infrastructure management, and environmental monitoring.

The Successful Achievements of a Geospatial Information Framework in The UAE

Mohammad Hassan / Federal Competitiveness and Statistics Centre

Illustrate the latest technology in this field integrates GIS with advanced data science techniques to process and analyze the vast amount of geospatial data collected through Earth observation. Machine learning algorithms are then applied to this data to automatically detect patterns and trends. This enables us to make informed decisions and predictions about various Earth-related phenomena, such as climate change, urban growth and green areas.

Key Technology Highlights

Saed Abuhelwa / gistec

Tech Showcase & In-Depth Look

Day 2 takes a deep dive into the technical aspects of the GIS latest advances. Expect exciting demos, in-depth technical explanations, and a hands-on look at how the groundbreaking ideas from Day 1 work in practice.

This session is perfect for those who want to explore the technical details and possibilities behind the GIS innovations unveiled in the conference.

Opening Remarks & Day 2 Agenda Overview

ArcGIS Capabilities Overview

Saed Abuhelwa & Venkat. N. Ganesan / gistec

Use ArcGIS Pro Analytics to Identify the Road Segments With Highest Risk (Demo)

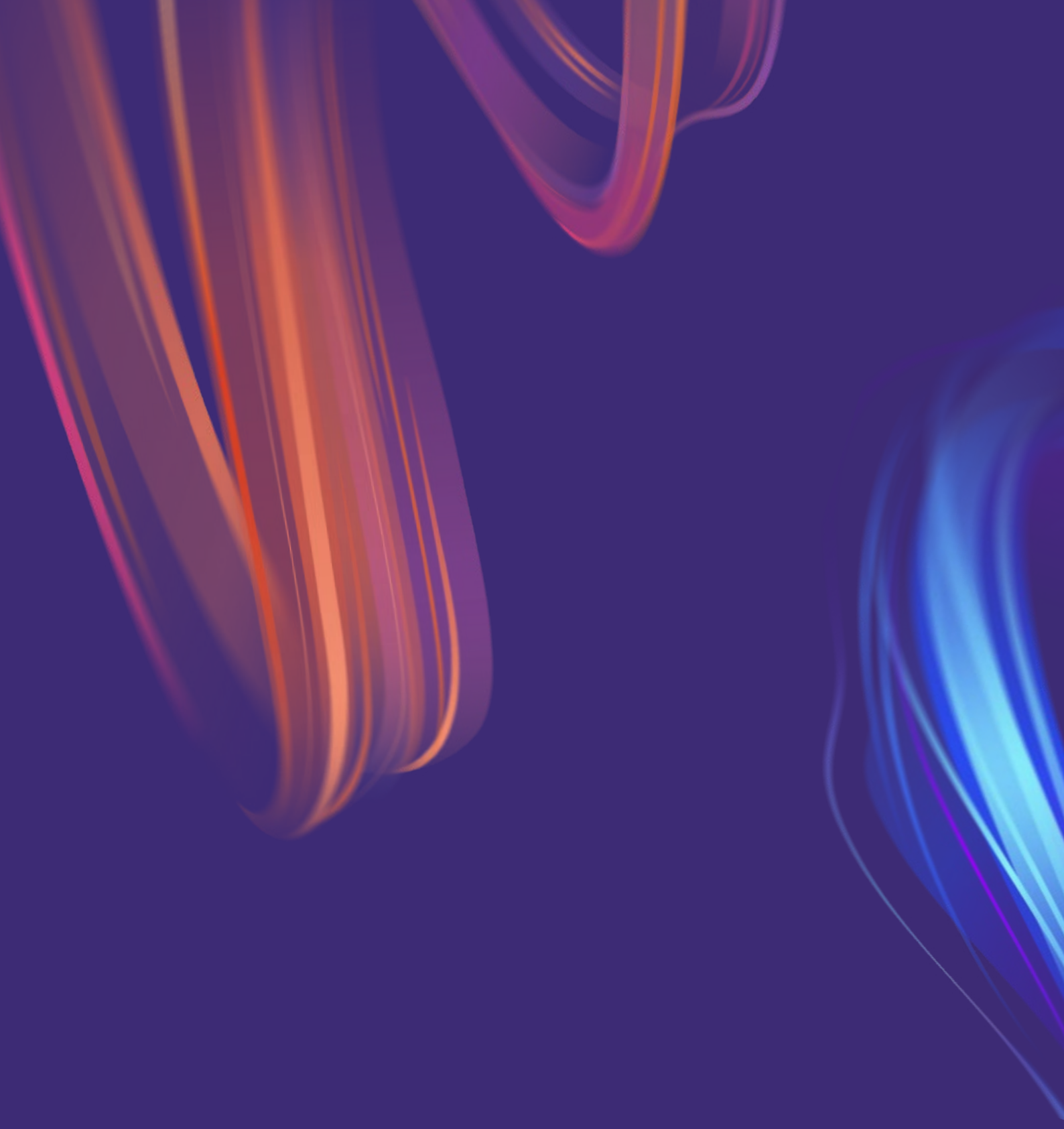
Tell Effective Stories With ArcGIS StoryMaps (Demo)

Enable Field Operations for Your Organization With Esri Field Apps (Demo)

Plan Your Next Tactical Emergency Response Using ArcGIS Mission (Demo)

Imagery in Action With ArcGIS (Demo)

Bring Cities to Life With ArcGIS-BIM Integration & Digital Twin (Demo)



Workshops

Workshops

Digital Twins: Strategies & Approaches

Matt Piper & Kiran Kumar / Esri & gistec

In this session, we will delve into the crucial role of Geographic Information Systems (GIS) and location in creating Digital Twins. As the backbone of Digital Twins, GIS provides a robust framework for integrating spatial data, enabling real-time data synchronization, reality capture, and advanced capabilities like ArcGIS Knowledge and GeoAI. Join us as we explore the foundational architecture required to construct Digital Twins, harness the potential of real-time data, and utilize cutting-edge GeoAI technologies to unlock valuable insights and drive informed decision-making.

Geospatial Strategy & Best Practices

Hossam Sayed / Esri

The key to any successful GIS implementation is knowing the what is your current state, what future state you want to reach and how will you reach there. This apply to small, big and mega projects. In this session we will have an introduction to the methodology that Esri PS has been using to implement successful GIS engagements around the world. We will focus on the tips and tricks we learned from applying the geospatial strategy in the UAE and around the MEA region. This will be an interactive session that we will very much welcome your feedback and commentary on all the topics presented.

Core Software

ArcGIS Enterprise

ArcGIS Pro

Big Data & GeoAnalytics: An Overview

Ahmed El Hussein / Esri

GeoAnalytics allows you to analyze large datasets in ArcGIS Enterprise, ArcGIS Pro, and your own Spark environment. Explore how to build a big data solution, integrating different data sources, cloud environments, and spatial analysis tools. We'll introduce the newest product, GeoAnalytics Engine, a new developer solution that enables you to aggregate, analyze, and build big data workflows with Apache Spark, within your own big data environment and the cloud. We'll contrast GeoAnalytics Engine, ArcGIS GeoAnalytics Server and GeoAnalytics Desktop tools so you know which solution is best for your organization and why.

Core Software

Extensions

Platform

ArcGIS GeoAnalytics Server

ArcGIS GeoAnalytics Engine

ArcGIS Pro



ArcGIS Parcel Fabric: Record & Quality Driven Workflows

Yehia Hassan / Esri

This session provides an overview of ArcGIS Parcel Fabric's capabilities, covering both Record Driven and Quality Driven workflows. Learn how to edit the parcel fabric in ArcGIS Pro with a focus on parcel creation, editing, and lineage management based on various legal descriptions. Workflows include parcel merge, parcel split, parcel boundary line adjustment, and creating new parcels from CAD files, along with insights into advanced capabilities and data quality assessment. Also, explore how to manage data quality in the parcel fabric using attribute rules, topology rules, and Least-Squares Adjustment. Join us to grasp the essentials of ArcGIS Parcel Fabric and its role in efficient parcel management.

Core Software

Extensions

ArcGIS Parcel Fabric

ArcGIS Pro

ArcGIS Enterprise

ArcGIS Indoors: An Overview

Yehia Hassan / Esri

In this session, learn how to transform CAD and BIM floor plans into an information model in the Geodatabase for authoring and sharing floor-aware maps of your building interiors. Also learn how to leverage these indoor maps to power Indoors apps for space planning and offering employees, building occupants, and visitors a web and mobile experience for way-finding, workspace reservation, location sharing, building incident reporting, and more.

Core Software

Extensions

ArcGIS Indoors

ArcGIS IPS

ArcGIS Pro

ArcGIS Online

ArcGIS Enterprise

ArcGIS Knowledge: An Overview

Paulina Okeyo / Esri

Organizations face challenges integrating all their data for discovery and advanced analysis. This session will introduce ArcGIS Knowledge, the knowledge graph and graph analysis capability option for ArcGIS Enterprise that makes it easy to create, discover, and explore connections in data. Learn how knowledge graphs work, discover how ArcGIS Knowledge empowers link analysis workflows, and explore new capabilities for working with connected data in link charts and maps in ArcGIS Pro, in the web and in python notebooks.

Core Software

Extensions

ArcGIS Enterprise

ArcGIS Knowledge

ArcGIS Pro

Exploring Immersive Experiences in ArcGIS

Ahmed El Hussein / Esri

Esri has an expanding range of 3D capabilities that can be used on the web, desktop, and mobile. This session will cover core offerings for 3D visualization in the platform and provide an overview of Esri's vision of how extended reality applies to GIS. We'll discuss how Esri technology can power augmented reality (AR) and virtual reality (VR) experiences across various industries from multiple products. We'll also demonstrate how GIS data can be used with Unity and Unreal Engine game engines to create immersive AR/VR experiences on mobile devices and headsets.

Core Software

Extensions

Platform

Apps

ArcGIS Maps SDKs

ArcGIS CityEngine

ArcGIS Pro

ArcGIS Enterprise

ArcGIS Online

ArcGIS Dashboards: Best Practices

Ahmed Abdelwahab & Mustafa Abuziad / gistec

Good dashboards provide key insights at-a-glance. They are effective in communicating what is important. In this session, you will learn tips for getting the most out of your dashboards with best practices specific to various patterns of use. Discover how to communicate status and evaluate performance. Get ideas for new ways to present information and visualize your data effectively.

Core Software

Apps

ArcGIS Dashboards

ArcGIS Enterprise

Review GIS Data & Model Workflows Using ArcGIS Data Reviewer & Workflow Manager

Raj Alva / gistec

ArcGIS Data Reviewer, an extension to ArcGIS Pro and ArcGIS Enterprise, improves GIS data quality and reduces data management costs. In this session, we will define GIS data quality, practices for capturing quality requirements, and identify quality-related capabilities in ArcGIS. We will demonstrate how to leverage Data Reviewer's integration in Attribute rules to prevent and detect poor quality data. We will also highlight visual review workflows and tools to identify other sources of error such as missing, miss-coded or spatially inaccurate features that cannot be found through automation.

Core Software

Extensions

ArcGIS Data Reviewer

ArcGIS Workflow Manager

ArcGIS Pro

ArcGIS Enterprise

ArcGIS Pro: Migrating From ArcMap

Muneeb Ashraf / gistec

Are you an ArcMap user? This is the workshop for ArcMap users to learn about strategies to help them prepare for migration to ArcGIS Pro, identify and prioritize the migration of key workflows, and spend some time exploring the ArcGIS Pro interface. Take the apprehension out of transitioning from ArcMap to ArcGIS Pro, gain the skills you need, and learn where to find your favorite tools. Learn different tips and tricks, strategies to tackle essential workflows such as editing, querying, basic analysis, and sharing with ArcGIS Pro.

Core Software

ArcGIS Pro

Development Strategies for Desktop & Mobile Apps

Randa Alsadek & Srinivas Dumpeti / gistec

ArcGIS gives app developers many tools and options for building useful desktop and mobile mapping applications that use the power of GIS. In this session, we will tour these products and capabilities, so that you can deploy your apps on a variety of devices. We will explore no-code/low-code tools such as AppStudio, the ArcGIS Pro SDK for .NET, as well as the ArcGIS Maps SDKs for Native Apps and ArcGIS Maps SDKs for Game Engines. Build apps that work online or offline, outdoors or indoors. We will also tour resources such as location services, usage analytics, samples, and more.

Core Software

Platform

ArcGIS Maps SDKs for Native Apps

ArcGIS Online

Migrating Data Into ArcGIS - Key Tools & Best Practices

Nandakumar Menon / gistec

Data migration is the process of moving data from one system to another. In this data-centric world, most businesses will inevitably need to do it at some point, whether to upgrade old systems, embrace the cloud, or to otherwise keep data robust and accessible. Let's discuss in this workshop what exactly qualifies as data migration, some real-world examples of organizations that have successfully executed a variety of migration workflows, and what tools and software are involved.

Data Management

ArcGIS Enterprise: Considerations For Upgrading to 11.x

Sumoj John / gistec

The ArcGIS Enterprise 11.x releases include significant and exciting changes marking a new generation of ArcGIS Enterprise. Join us at this session to learn about the changes at 11.x, considerations before upgrading to 11.x, and migration tooling to help you along the way. For more details about upgrading, be sure to attend the “ArcGIS Enterprise: Best Practices for Upgrading” session.

Core Software

ArcGIS Enterprise

ArcGIS Field Map

Muhammad Zafar / gistec

ArcGIS Field Maps is a versatile mobile solution that caters to a wide range of mobile requirements. It empowers users to explore maps containing their organization's authoritative data, facilitates data collection tasks like asset inspections, and ensures seamless synchronization between office and field work, including location sharing. All of these functionalities are neatly packaged into a user-friendly mobile application. During this session, we will provide an overview of Field Maps and demonstrate how it can enhance and streamline your field workflows.

Core Software

Apps

ArcGIS Field Maps

ArcGIS Online

ArcGIS Foundation For Digital Twins

Kiran Kumar / gistec

More than ever GIS technology is transforming the way we design and plan our communities, regions, and the world. This digital transformation of traditional planning has given rise to a new and exciting field - Geodesign. In addition, we also hear the term Digital Twin everywhere these days. But what are they really? And what role should GIS and Geodesign play in implementing Digital Twins? Join us in this session to learn more about the fundamentals of Geodesign and explore some examples of how ArcGIS can play a supporting role in building your next digital twin.

Digital Twin

Imagery: What's New

Kiran Kumar / gistec

This session will provide an overview of the powerful desktop, enterprise, and SaaS solutions for managing, mapping, analyzing, visualizing, and sharing your imagery in ArcGIS. Learn how ArcGIS is designed to work with all kinds of imagery and raster data, including satellite, aerial, and drone imagery, scientific data, data cubes, video, scanned maps, and elevation. Find out about the latest developments in cloud-based image management, advanced image analysis, precision mapping, image exploitation, and more.

Imagery

ArcGIS Experience Builder: Migrating From ArcGIS Web AppBuilder

Kishore Chintapatla & Srinivas Dumpeti / gistec

ArcGIS Experience Builder is built on the latest web technologies. As more capabilities are added to Experience Builder, it's time to consider modernizing your ArcGIS Web AppBuilder apps. In this session, you will learn how to improve your app with the most modern technology Experience Builder offers while keeping a consistent user interface and workflow to minimize the impact on your existing audience. We will talk about Experience Builder templates, building complete experiences and mobile optimization.

Core Software

Apps

ArcGIS Experience Builder

ArcGIS Enterprise

ArcGIS Utility Network: Advanced Network Management

Ziyad Beitshawish / gistec

This session will provide an overview of a set of utility network foundations, features and tools that help utilities customers jumpstart utility network implementations and usage.

Core Software

Extensions

ArcGIS Utility Network

ArcGIS Enterprise

Imagery: Using Deep Learning For Feature Extraction & Classification

Kannan Jayaraman / gistec

ArcGIS provides a rich suite of tools and APIs to perform end-to-end deep learning workflows with a variety of data types. In this session learn how deep learning can be applied to perform feature extraction and classification in the ArcGIS Platform. You will see how Deep Learning tools, Pre-trained deep learning models and AI-infused apps make deep learning easier to use. This session will also provide an overview of the powerful new deep learning capabilities in desktop, enterprise and online.

Imagery and Remote Sensing



Predictive Analysis: Modeling Spatial Data Using Statistics & Machine Learning

Kannan Jayaraman / gistec

In this workshop, you'll learn how to use modeling techniques to uncover patterns and make predictions. We'll cover Linear Regression and how to use geography to calibrate prediction factors, as well as Forest-based Classification and Regression, a tool that makes machine learning methods accessible to maximize the accuracy of predictions. You'll also learn about Presence-Only Prediction, a tool that uses known presence locations to predict the location of phenomena using maximum entropy. Finally, we'll cover how to streamline prediction workflows by saving and sharing trained models.

Spatial Analysis and Data Science


ArcGIS Enterprise: System Migration Strategies & Planning

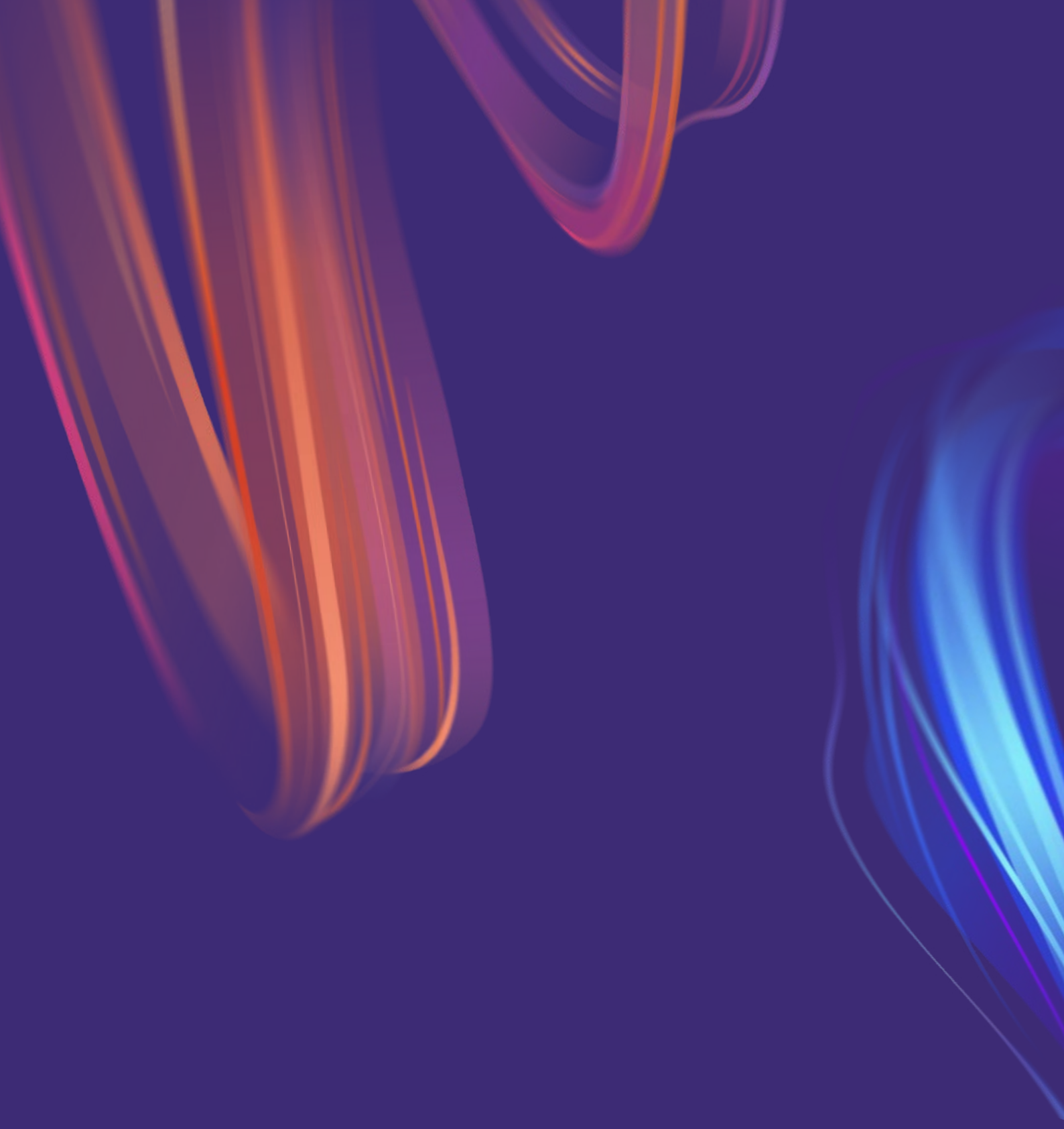
Venkat Ganesan / gistec

Are you planning to migrate your GIS systems to a new environment, or to the cloud? This is a common pattern among organizations of all sizes, and we have developed best practices to help you be successful in planning, executing and assessing your own migration needs. This session will walk you through the assessment and planning process, give an overview of the technical methods to support migration, and provide you with some best practices and tips to ensure that you move forward on a clear and successful path.

Core Software

ArcGIS Enterprise





Industry Sessions

ArcGIS in Smart Communities & Cities

Moderators: *Adel Bolbol Fernández (PhD) / Esri & Muhammad Zafar / gistec*

Developing a National Investment Platform by Using ArcGIS Experience Builder

Ahmed Al Fazari & Najya Al Hajri / The Public Authority for Special Economic Zones & Free Zones (Oman)

Introducing a modern national investment platform, combining the latest GIS technologies and 3D tools. Using Experience Builder widgets, it makes spatial data easy to visualize and deploys a comprehensive set of analytical tools, including elevation profiles, line of sight assessment, shadow cast analysis, slices, real-time and temporal weather data visualization, daylight simulation tools, print map and krookie, proximity analysis, drawing tools, measurement tool. This platform enables accurate, data-driven investment decisions, driving economic growth nationwide and paving the way for a prosperous future.

How to Create 3D & Digital Twins For University Campus

Mr. Rahul Gawai & Dr. Tarig Ali / American University of Sharjah

Digital twins refer to a virtual replica of a physical asset, product, or system that is used for the purposes of simulation, analysis, and monitoring. This can include things like machinery, buildings, transportation systems, and more. Digital twins can be created through the integration of various types of data, such as sensor data, CAD designs, and other sources. They allow organizations to simulate and visualize how physical assets or systems will behave in various scenarios and can be used for a variety of purposes, including predictive maintenance, optimization, and decision-making.

ArcGIS in Municipal Governance

The ArcGIS in Municipal Governance industry sessions cater to Emirate and city officials, planners, and administrators seeking to leverage geospatial technology to enhance local governance. Explore how ArcGIS solutions can be used to tackle urban challenges, from urban planning and public safety to citizen engagement and infrastructure management.

These sessions provide insights into how municipalities are utilizing ArcGIS to create smart, sustainable communities. Gain valuable knowledge and insights to drive informed decision-making, improve service delivery, and create efficient, resilient municipalities.

Moderators: *Raj Alva / gistec*

Creating Opportunities For Ajman Citizens to be Engaged in Urban Planning Plans

Ahmad Essa Alrefaie & Suaad AlDurah / Ajman Municipality

The “Farejak 2030” initiative in Ajman encourages community engagement in urban planning through ArcGIS Solution. Residents can submit needs like parks and sidewalks, by transforming the traditional process of urban planning to include residents’ insights. The Municipality now uses ArcGIS Solution to collect, monitor, and incorporate popular ideas for future improvement plans. This initiative has enhanced urban planning by integrating public perspectives and concerns in the distribution of public services and land use planning.

DDA GIS Journey

Omar Thiab & Sohaib Dababat / Dubai Development Authority

Delving into the Dubai Development Authority’s (DDA) GIS journey, this narrative unveils their triumphant path to success. It illuminates how GIS integration, strategically woven into DDA’s framework, tackled challenges, harnessed innovation, and achieved remarkable outcomes. Notably, GISTEC played a pivotal role in aiding DDA’s GIS endeavors, enhancing decision-making, resource management, and sustainable urban development. Lessons drawn and insights gained offer a guiding light to other ventures venturing into GIS-driven success.

ArcGIS in Utilities

Explore the dynamic world of ArcGIS in Utilities during these user presentations. Designed for professionals in the utility industry, this session offers a unique opportunity to delve into the latest advancements and real-world applications of Geographic Information Systems (GIS).

Learn how utilities are harnessing ArcGIS technology to optimize operations, improve asset management, and enhance customer service. Discover use cases and best practices, that will empower you to make data-driven decisions, streamline workflows, and better serve your community.

Moderators: *Chrystelle Ourzik / Esri & Jabbar Malik / gistec*

Enhancing The Laser Scanning Sensor to Precisely Allocate The Power/ Water Assets

Dr. Mahmoud Al-hader / Al Ain Distribution Company

The new invention considered as one of its kind globally by enhancing the responsiveness of mobile laser scanning sensor mounted on top the vehicles using invented algorithms for allocating the underground networks using laser scanning. The invented methodology resolve the complications of the daily updates “i.e. new installations, replacements, etc. This invention brought forward a more efficient technique for allocating assets. The accurate assets allocation significantly enhances the performance of managing and maintenance.

Network & Connectivity Finder


Hamad Saeed Al Adawi & Srirama Bhagavan Sangiseti / Abu Dhabi Distribution Company

Electric network and its connectivity in GIS are very valuable however; at times, it is time consuming to fetch the basic information. In ADDC, GIS is essential for engineers, thus we implemented a modern form of visual representation of network and its connectivity. We created a unified database with GIS and customer data, it is used to visualize it in Power BI, and it is named “Network & Connectivity Finder”. With this Power BI dashboard, engineers in ADDC can view entire electric network and its connectivity in a single window and can search and find necessary information with few clicks.

GeoFinder: ADDC’s Digital Leap in Asset Navigation & Efficiency

Islam Fakhri Abuhamdah / Asma Hasan / Basil Belbeisi / Abu Dhabi Distribution Company

GeoFinder is an innovative application that provides streamlined access to a multitude of ADDC assets. By merging GIS with Google Maps, it ensures precise, real-time navigation. Catering to the immediate navigation requirements for Power, Water, and ADDC infrastructure and fortified with security by being embedded in internal servers, it’s anticipated to reduce SAIDI by 3%-5%, showcasing its impact on strategic KPIs. Beyond operational savings, GeoFinder ensures safety, increases productivity, refines GIS data through feedback, and exemplifies ADDC’s dedication to digital excellence.



Abu Dhabi Digital Twins & Cognitive Cities

Nedal Alhanbali & Hessa Al Hammad / Department of Municipalities & Transport

Cognitive cities and digital twin are emerging concepts that have the potential to make our cities more efficient, sustainable, and livable for everyone. Together focus on utilizing spatial technologies, artificial intelligence (AI), deep learning and other emerging technologies to build better informative smart cities dashboard that can improve the lives of city citizens and facilitate more effective city operations. Digital twins are based on GIS technologies to virtually represents physical systems/objects/man-made structures integrated with various operational systems and corresponding attributes linked with time. While, cognitive cities make use of the technologies to collect and analyze data from various sources to provide more proactive and adaptive information and problem-solving approach. Together can create a powerful new paradigm for urban planning and management in the municipal and government sector serving communities, private and other sectors. The presentation will present the methodology of utilizing ESRI technologies to create a comprehensive view of a city, including its infrastructure, buildings, transportation systems, and people and how it can be used to simulate different scenarios and identify the best solutions to urban challenges. For example, a city could use a digital twin and AI to model and measure the impact of a new masterplan on population, traffic congestion or air pollution.

ArcGIS for Climate Action

Moderators: *Pakrad Sarkis Balabanian / Esri & Ruwaidah Al Omairi / gistec*

Hadaaq GIS Web Application

Mansour Omar Al Ali & Nedal Alafayfeh / Ministry of Climate Change & Environment

Hadaaq is an interactive geographical map that serves as an electronic guide that reflects the legislation regulating the fishing sector in the UAE. It identifies the geographical location of the fishing boat within the permitted fishing limits and areas. It also shows the protected areas and prohibited fishing areas within the coast of the country. In addition, it includes hunting seasons and technical specifications for the permitted hunting tools according to the geographical location of the fishing boat.

Impact of Air Pollution on Prices of Real Estate & Bahraini Metropolitan Area

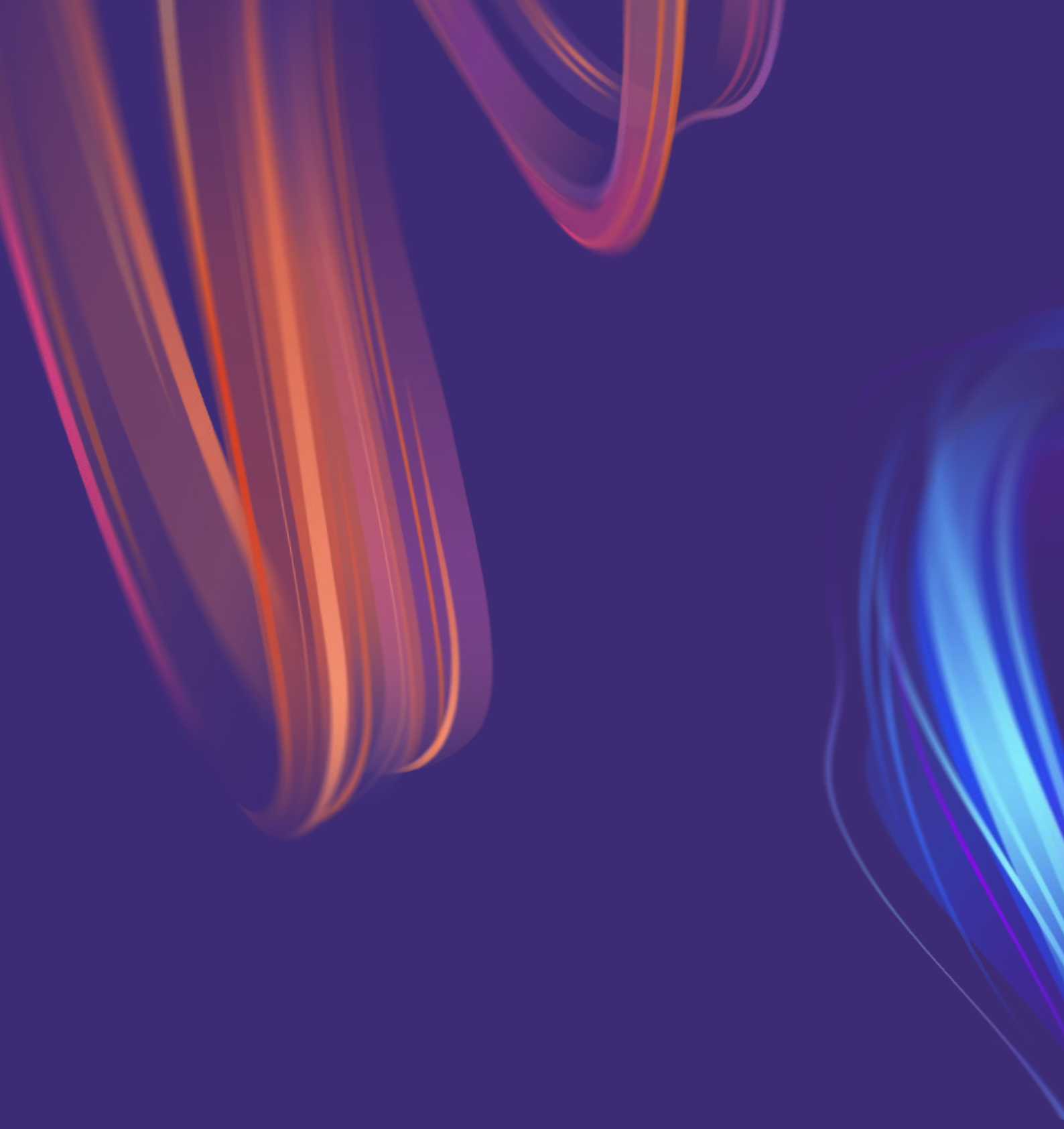
Dr. Salem Rashed Buhamood / Royal Court Bahrain

The paper quantifies the cost of air pollution in Bahrain's urban areas using real estate prices. This paper adopted the willingness-to-pay approach to investigate the connection between air quality, the spatial distribution of population, and real estate prices using Geographic Information Systems (GIS) and advanced multivariate statistical techniques. Air pollution accounted for 16.7% of the variation in house prices, leaving 83.3% to other confounding variables, such as transboundary sources of air pollution.

Urban Green Spaces & Conservation of Plant Biodiversity

Mariam Alteneiji & Mariam AlKaabi / Dubai Municipality

Explore the evolution of green spaces in Dubai through our comprehensive story map on Urban Planning, Green Areas, and Biodiversity. Delve into the city's greenery from its historical roots to the present day, showcasing Dubai's commitment to expanding green areas. Our focus centers on Mushrif National Park, detailing specific green zones and plant life. Uncover the significance of Ghaf Trees in our ecosystem, with insights into laws and regulations governing their protection. Our study not only maps the growth of Dubai's green landscape over the years but also emphasizes the unique features of Mushrif Park, offering a detailed breakdown of green area classifications and percentages. Witness the harmonious coexistence of urban development and biodiversity, as we highlight strategies to sustainably preserve Dubai's green legacy.



Online Map Gallery

Online Map Gallery

Fujairah 3D Elevation Map

American University of Sharjah

UAE Road Network & Weather Station Map

American University of Sharjah

American University Digital Twins 3D Map

American University of Sharjah

المستفيدين من برامج التحويلات النقدية

National Aid Fund-World Food Programme

National Aid Fund Centers

National Aid Fund-World Food Programme

Old-Style Map

Esri North Africa

Botany Dashboard

Barari Natural Resources

Geohazards of Saudi Arabia

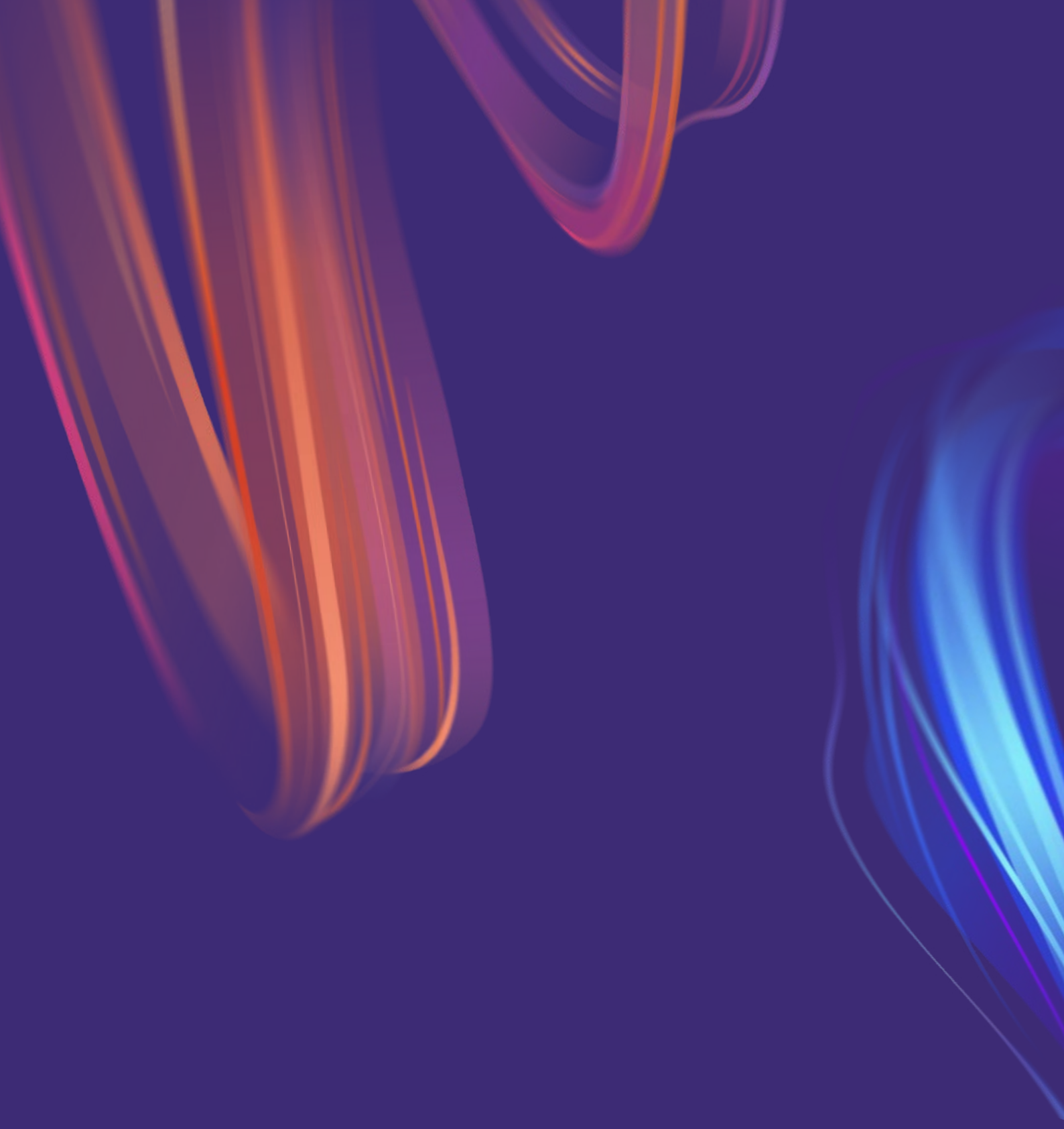
Fugro

Dubai in the Dark Map

Dubai Municipality

Identifying Traffic Accident Hotspots in Dallas City, USA: A GIS-Based Statistical Approach

United Arab Emirates University



Sponsors & Exhibitors

Sponsors & Exhibitors

Khatib and Alami

Gold Sponsor / www.khatibalami.com



"Khatib & Alami (K&A) is an international multidisciplinary consultancy comprising architects, engineers, planners, and other specialists. We have vast experience working at the forefront of fast-changing urban environments, with a deep understanding of delivering complex major projects within agreed timeframes and budgets.

Since launching its Geospatial Systems Integration division in 1988, K&A has become among the leaders in its field, with a 300-strong team of GIS experts. K&A helps government and private sector clients make sense of the vast amounts of information and data available, providing insight, enabling better decision-making, creating efficiencies, and improving customer experiences. As an Esri Platinum Partner, K&A continuously provides innovative smart solutions that address business challenges and exceed customers' expectations. For more information, visit www.khatibalami.com."

GDI

Silver Sponsor / www.gdi.net



GDi is digital technology and software company with over 30 years of successful growth. Our product GDi Ensemble is a digital software orchestration platform proven by the Communication, Media and Technology (CMT) industry. It is used worldwide by CSPs to plan, build, and operate efficient resources and effective networks.

GDi Ensemble OSS platform supports configurable and flexible implementations of complete business process solutions in the service, resource and enterprise domains including service catalog, inventory and order management, resource inventory, order, asset and location management as well as Open API, TM Forum's ODA compliant supported BSS and OSS integration management.

GDi operates from multiple offices in Central Europe and Asia with almost 300 people focused on development of own software products. GDi's selected customers include some of the largest telecom operators in Central-East Europe, Asia and Middle East as well as regulators and operators of national, regional and local telecommunications infrastructure.

3GIS

Badge Partner / <https://www.3-gis.com>



3-GIS, an SSP Innovations company, empowers companies to achieve better operating efficiencies to meet the challenges of building increasingly complex telecom networks. 3-GIS uses a data-driven approach based on geospatial reference, rules-based calculations, mobility, and web-based services to realize the market opportunities of network assets. Our fully-configurable solutions allow users to plan, design, and manage networks; provide real-time data that is used enterprise-wide; and enable automation for faster service activation, in one seamless system. The company has development, design services, product support, and operational staff in five countries challenging the status quo every day to improve the economic visibility of fiber networks; creating a more connected, informed, and lighted world.

GeoDyn

Bronze Sponsor / www.geodyn.com

GeoDyn: For the What, Where & When



GeoDyn provides photogrammetric aerial film scanning and georeferencing solutions to organizations globally. Efficiently transforming aerial film archives into digital imagery helps understand and model the development of countries and resolve land ownership disputes. Our PromptScan photogrammetric aerial film scanner is 50 times faster than conventional film scanners allowing quick transformation of large archives into digital assets and preserving heritage. Our automated georeferencing solutions transform scanned images into temporal imagery layers, providing valuable information about your country's growth and development over the last 50 years. As an Esri Gold network partner we integrate with ArcGIS for image dissemination, visualization, and analysis.

HERE Technologies

Bronze Sponsor / www.here.com

Our mission is to enable a digital representation of reality to radically improve the way the world moves, lives and interacts.





Innovation Floor

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Ardhiyat Al Ibdaa Information Solutions, also known as Innovation Floor, is a technology-oriented corporation that creates and maintains cutting-edge solutions. The company assists its clients in swiftly and effectively adapting IT software solutions to meet their business needs while also developing cost-effective models that align with the pace of their business growth. Our software engineering approach incorporates the most recent trends and technologies, including:

- 1.AI Solutions
- 2.GIS & Enterprise Solutions
- 3.Game & Simulations
- 4.Robotics

We specialize in various platforms such as AI, robots, web, IOT, smart devices, AR/VR/MR to deliver comprehensive solutions that meet the unique needs of our clients.

MicroMap IT Consultancy L.L.C

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Micromap is ISO certified Mapping and IT solutions & Services firm with expertise in providing Geospatial solutions for numerous industries including Local and Federal Governments, Oil and Gas, Utilities and Private and Public companies. We work with companies of all sizes to design and develop custom solutions that are personalized specifically to match requirements and budgets of our clients. Based in Abu Dhabi and established in 2014 Micromap is highly ambitious and fastest growing GIS solutions and services company in UAE. With a new office in Dubai the key personnel and consultants at Micromap have extensive experience in the industry's top GIS software.

Quality Standard for Information Technology

Bronze Sponsor / www.qsitint.com



QSIT Alkan CIT Abu Dhabi has attained a prominent market position in the Middle East and African region. Providing GIS-based solutions by recruiting high-caliber professionals, to craft the right solutions for achieving business gains. With a proven record of accomplishment of success, affirmed and nurtured by +300 clients, led the digital transformation in different business domains, empowering business processes with GIS capabilities, helping companies increase their operational efficiency and achieve their overall business goals. Offers implementation, consultation, and support services for GIS solutions, covering more than 15 different industries and serving both governmental and private sectors all over the region.

iSpatial Techno Solutions

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iSpatial Techno Solutions (IST) is a distinguished leader in delivering cutting-edge smart solutions that revolutionize enterprise workflows through automation. Our core competency lies in crafting AI-powered solutions that optimize operations by facilitating harmonious integration and communication across diverse business and IT ecosystems. Our portfolio focus on scalable Geo-enabled Rapid Solution platform, leveraging the power of Artificial Intelligence, Machine Learning, and the robust technologies of Esri and Microsoft. This platform enables us to provide top-tier solutions that elevate operational efficiency, delivering not only exceptional quality but also substantial cost savings.

Safe Software

Bronze Sponsor / www.safe.com



Safe Software is an all-data integration solution company that helps organizations bring life to their data. With almost 30 years of expertise and 25,000+ enterprise customers across 125+ countries, whatever your data challenge is, we can help you.

Safe Software has been recognized in the Gartner Magic Quadrant for Data Integration Tools for 3 consecutive years. In the January 2023 Gartner Peer Insights 'Voice of the Customer' for Data Integration Tools, Safe Software was named Customers' Choice and was the only recognized vendor as North America's Customers' Choice.

The Drone Centre

Bronze Sponsor / www.thedronecentre.ae



The Drone Centre stands as the DJI Enterprise Master Dealer in the MENA region, reflecting its vision and acting as advocates for drone technology, constantly pushing the boundaries of innovation. Our commitment lies in building and strengthening relationships with our strategic dealer partners, ensuring their success in this dynamic industry.

VertiGIS

Bronze Sponsor / www.vertigis.com

VertiGIS™

VertiGIS is a leading asset management and geographic information systems (GIS) solution provider and software developer. Their focus is on the development of software solutions and services that enable professionals in the utilities, government, telecommunications and infrastructure market segments to connect their business processes with spatial management technology. Used by more than 5,000 customers and millions of end users around the world, VertiGIS' product portfolio is designed to enhance the capabilities of leading GIS software, especially Esri's ArcGIS®. For more information visit vertigis.com.

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The program is subject to change without notice