



**INNOVATION**  
REPORT  

---

2022-2023





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# ALDAR TODAY



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# Who We Are

**Aldar's purpose is to shape a better future and create long-term value for all our stakeholders.**

Established in 2004, Aldar Properties is the UAE's leading integrated real estate developer, investor, and manager. We have been playing a key role in supporting the long-term development of the country and its communities for almost two decades, steadfastly delivering on our promise to develop desirable destinations where people can live well. Fostering innovation to unlock a better, more sustainable future for all our stakeholders across Abu Dhabi and beyond has been our guiding principle all along.

**11.2bn**

2022 total Group  
revenues (AED)

**3.1bn**

2022 total Group  
net profit (AED)



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# Innovating Over the Years...

For years, Aldar has been leveraging innovation to drive sustainable growth.

## 2018/2019

- ▶ LAUNCH OF INNOVATION DEPARTMENT
- ▶ LAUNCH OF IBTIKAR
- ▶ FIRST START-UP COLLABORATIONS



## 2020/2021

- ▶ LAUNCH OF MANASSAH AND SCALE UP
- ▶ LAUNCH OF CLOUD SPACES AND CLOUD LIVING
- ▶ LAUNCH OF INNOVATION STRATEGIC FORUM
- ▶ FIRST VENTURE CAPITAL FUNDS PARTNERSHIPS



## 2022/2023

- ▶ LAUNCH OF DIGITAL FUTURES
- ▶ LAUNCH OF YAS ISLAND METAVERSE
- ▶ LAUNCH OF ETHER BY CLOUD SPACES



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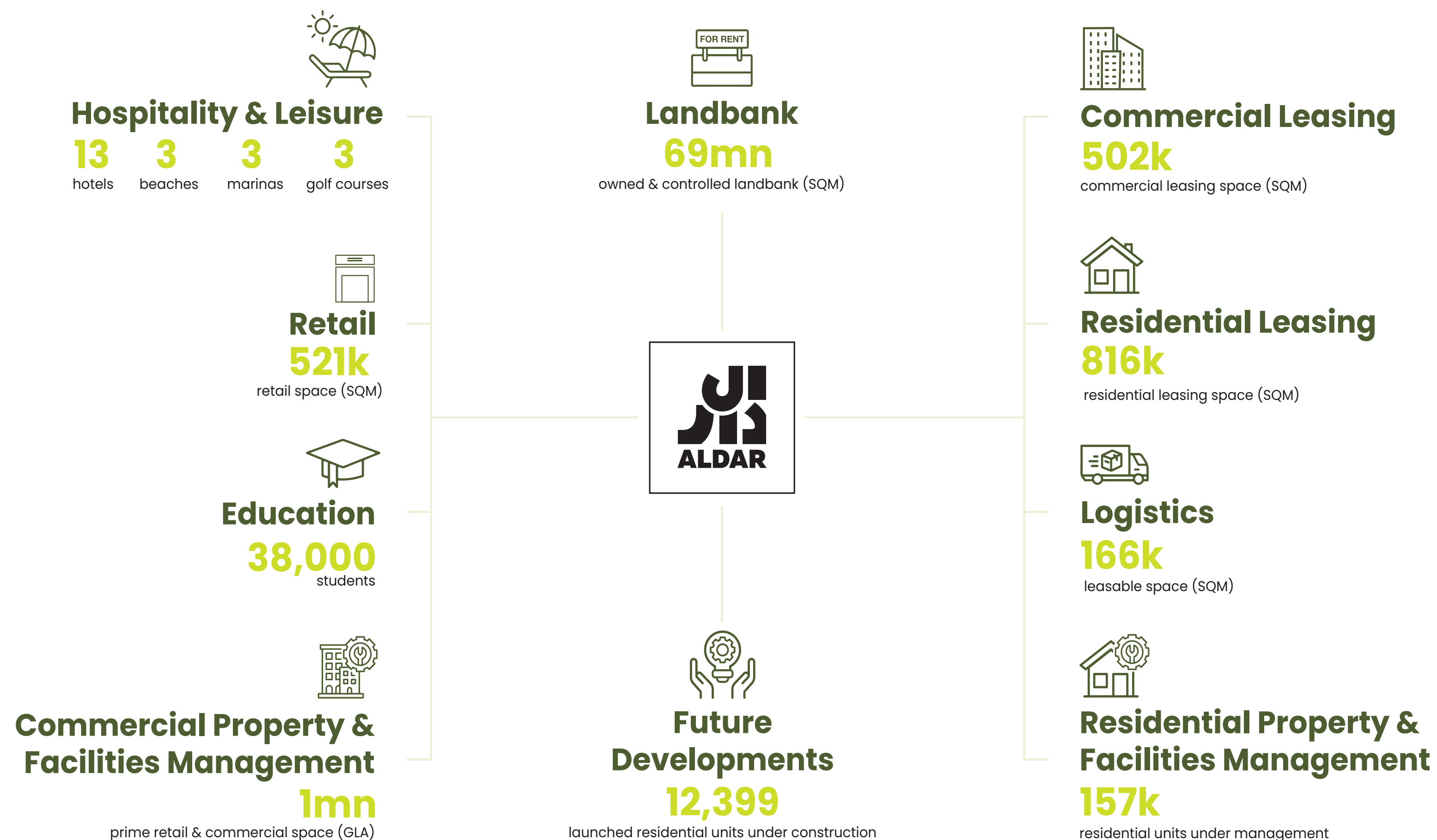
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# ...Across our Footprint

We consistently and responsibly activate innovation throughout our diversified operating model to realise Aldar's business strategy across the full real estate value chain.



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Numbers reported at Q3 2023.

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# Why We Focus on Innovation

**We understand that technological trends are reshaping real estate, and we welcome this transformation with open arms.**

The real estate industry stands on the cusp of a revolution. Its future resilience and growth hinge on its stakeholders' ability to recognise and adopt technological progress.

Property Tech (PropTech), powered by artificial intelligence, machine learning, and big data, enables predictive analytics, personalised services, virtual tours, blockchain transactions, IoT-enabled smart homes, and much more. It can be harnessed for greater efficiency, enhanced customer experiences, and a competitive edge in the market.

Climate Tech, through sustainable design and materials, as well as energy-efficient systems, ensures developers meet not only the increasing demand for eco-friendly living but also growing regulatory pressure for green certifications.

Construction Tech, with 3D printing, augmented reality (AR), robotics, and Building Information Modelling (BIM), optimises processes, improves safety, reduces costs, and empowers evidence-informed decision-making. Embracing it leads to better project management, increased productivity, and superior quality standards.

**The future is here and we're ready for it.**

To seize this unique opportunity, we imperatively need a dynamic, future-oriented innovation strategy, that aligns with our vision and evolving market dynamics.

Innovation is not only about adopting new technologies; it's about creating value, understanding customer needs, shaping communities, and driving change. We aim to redefine real estate and ensure a legacy of sustainable, efficient, and inclusive growth.

As we step into the future, our aim is not to be spectators but pioneers who innovate, not just to succeed but to lead.



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# AN INNOVATION-CENTRIC STRATEGY



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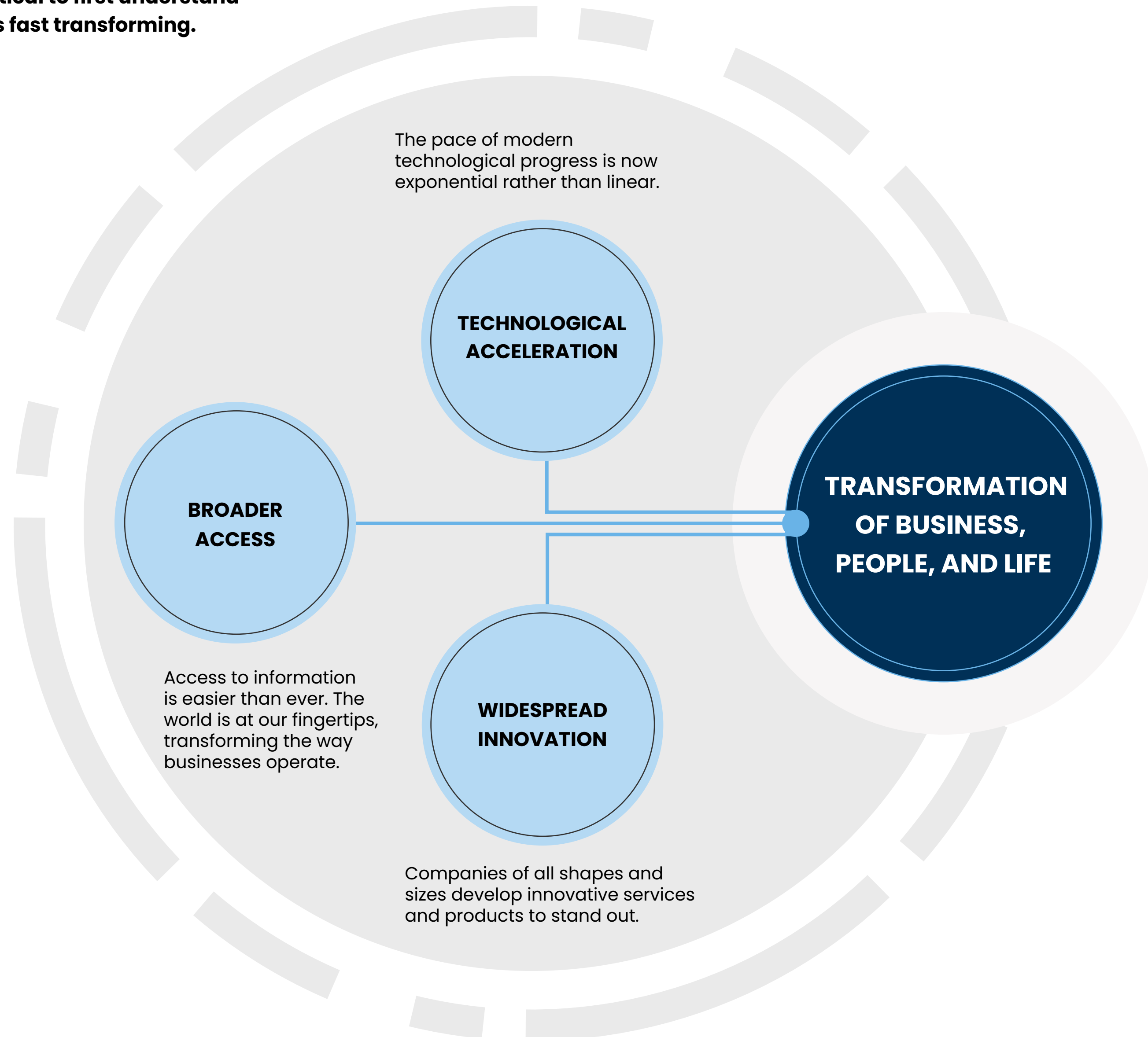


**In order to approach innovation the right way, it is critical to first understand why and how the business landscape we operate in is fast transforming.**

The Fourth Industrial Revolution, powered by digital developments, is characterised by its unique velocity, scope, and impact.

Driven by three critical factors, this extraordinary transformation is dramatically altering the world, the people who live in it, and our way of life.

# The Age of Disruption



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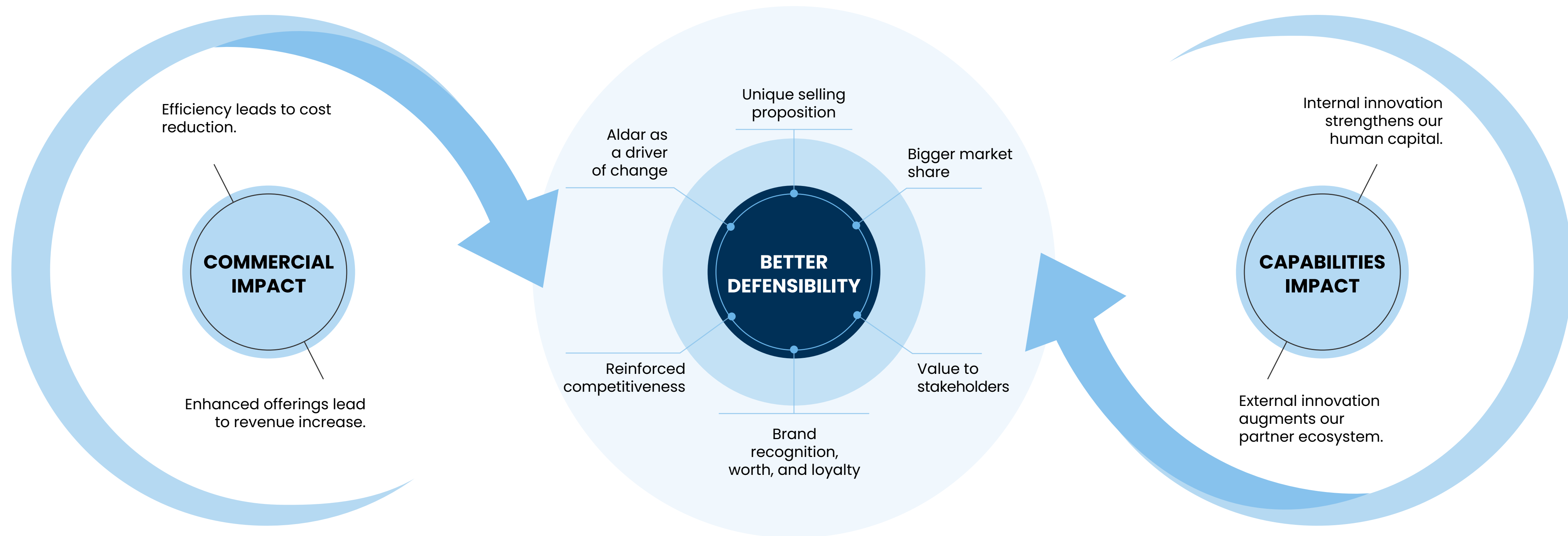
### WORK WITH US



# The Innovation Opportunity

In these times of transformation, innovation can be a catalyst for sustained business growth.

By giving us the insight necessary to see our work, our solutions, and our ecosystem from a different perspective, innovation brings a host of benefits to Aldar's businesses, from enabling complex problem-solving to edging out competition.



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# Our Fields of Play

To go beyond ideation and innovate with confidence, we focus on specific areas centred around our values, core businesses, and communities.

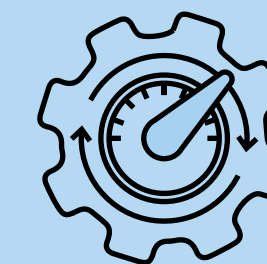
Based on an in-depth analysis of Aldar's strategic pillars and innovation ambitions, as well as external market trends, we direct our innovation effort to the areas that are most relevant, show potential for expansive business growth, and allow us to serve our customers.

## Our 2022–2023 fields of play

- ▮ **Net Zero** – supporting the achievement of Aldar's science-aligned decarbonisation targets.
- ▮ **Optimisation** – innovative and efficient solutions and business models
- ▮ **Smart Development** – new technologies that allow us to build more efficiently without compromising on quality.



NET ZERO



OPTIMISATION



SMART  
DEVELOPMENT



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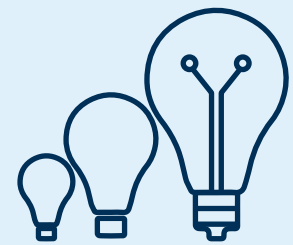


# An Always-On Journey

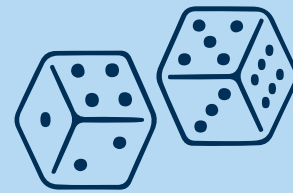
**Innovation is not about chasing the next big breakthrough. Rather, it means continuously and simultaneously enhancing existing business models while creating new capabilities to respond to future opportunities.**

Aldar balances its attention and investments between:

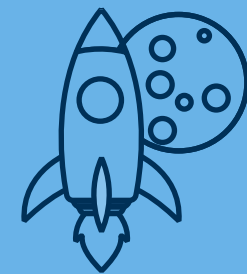
- ▮ **Incremental innovation** – projects that are relatively low risk/ low return but improve operational excellence.
- ▮ **Big bets** – emerging opportunities likely to generate substantial profits in the future but that will require major financing.
- ▮ **Moonshots** – ideas for profitable growth further down the road.



**INCREMENTAL  
INNOVATION**



**BIG  
BETS**



**MOONSHOTS**



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Aldar's Year-on-Year  
Progress on the GIMI  
Innovation Index

**3.56**

2019



**4.05**

2020



**6.87**

2021



**7.00**

2022



# Governing Innovation

**The innovation team has been tasked with building a robust innovation governance system in line with international best practices.**

- ▶ **Group Innovation Policy** – key principles and elements to focus on to achieve Aldar's innovation agenda.
- ▶ **Innovation Processes** – standard mechanisms and procedures to align goals, allocate resources, and assign decision-making authority.
- ▶ **Economic Value Framework** – appropriate reporting metrics to measure the return on investment of innovation activities.
- ▶ **Innovation Strategic Forum** – composed of representatives of all levels and operating through three sub-committees: New Projects, Governance & Engagement, and Partnerships & Government Affairs.

This strong accountability ensures that innovation is prioritised in all strategic decisions.

Since 2018, the Global Innovation Management Institute (GIMI), which provides standards and audit methodologies to measure and rate organisations' innovation levels, reviews Aldar's innovation performance annually. We continue achieving year-on-year improvement across all verticals on the GIMI Innovation Index.



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# Building Capability

**Developing an organisation's innovation capability starts with its most important asset: its people.**

At Aldar, we ensure that all our teams fully understand why innovation matters, why they are at the forefront of our innovation drive, and how they can and should contribute. To this end, we have been promoting holistically a long-lasting innovation culture.

- **INSEAD "Innovation in the Age of Disruption" certification**
- **Incubator and accelerator employee-training opportunities**
- **Employee mentoring & internal innovation consulting**
- **Innovation knowledge sharing & panel discussions**

## 72

**Innovation Champions**  
trained



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# Executing Effectively

At Aldar, we chose to rapidly infuse innovation across our business functions and into our ecosystem at large. Our innovation department, a central function established in 2018, enables effective innovation management and the delivery of new, high-impact solutions.



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### INTERNAL INNOVATION

We crowdsource and incubate innovative ideas, organise internal programmes, and explore venture-building opportunities.

SPACES  
**CLOUD**

LIVING  
**CLOUD**

**ETHER**  
by Cloud Spaces



### EXTERNAL INNOVATION

We search for and partner with new start-ups, while investigating collaborative scouting and investment opportunities.

منصة  
**MANASSAH**

**FIFTH WALL**



**SHOROCQ**  
PARTNERS

global.ventures

**SCALE UP**  
By Aldar

مبرمج الـ ٥٠  
**MUBARMIJ50**



**CAMBER CREEK**

**MODERNE**  
VENTURES

### ECOSYSTEM AUGMENTATION

We bring diverse players together to nurture an innovative ecosystem and create greater value.



**HUB71**



**twofour54**  
Abu Dhabi



**STARTAD**  
powered by TAMKEEN

**MAKE X**

**MIRAL** | ميراال

**ESTARS**  
THE HOME OF EDUCATIONAL ESPORTS



# INNOVATION IN PRACTICE



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# Cloud Family

**Category** Internal innovation venture

**Definition** **Cloud Spaces:** A hybrid, carefully curated, and cost-effective workspace/co-retail environment for entrepreneurs and businesses of all sizes, elevated by serviced amenities and superior locations.

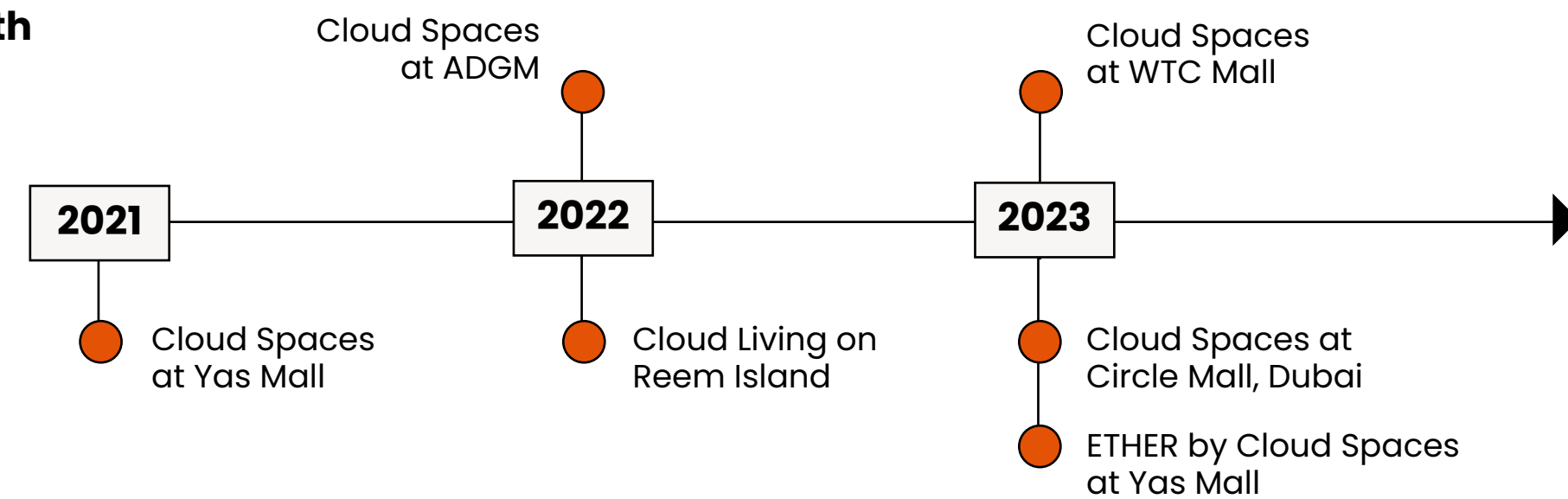
**ETHER by Cloud Spaces:** A co-retail, creative multi-brand lifestyle and fashion retail concept, offering fully serviced temporary spaces to an array of local and international brands to showcase their products and test the local market hassle free.

**Cloud Living:** Furnished apartments available to tourists and business travellers for short-term stays, with access to top amenities in prime locations.

**Purpose** Leverage opportunities in the shared economy space by repurposing existing assets into a suite of innovative solutions.



## Our Growth



### Cloud Spaces

**4**  
locations

**11,565**  
surface (SQM)

### ETHER by Cloud Spaces

**124**  
brands

**2,430**  
retail surface (SQM)

### Cloud Living

**2**  
locations

**85**  
units



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# Yas Island Metaverse

**Category** Internal innovation venture

**Definition** A collaboration between DCT Abu Dhabi, Aldar, Miral, twofour54, and Ethara aiming to recreate Yas Island, a popular tourist destination in Abu Dhabi, UAE, in the virtual world. It marks the first attempt in the UAE to translate an entire physical destination of this scale into the metaverse, bringing together five partners to create an immersive digital experience for players globally.

**Purpose** Leverage the synergistic potential of emerging technologies such as the metaverse to unlock new avenues for Aldar's core business operations' growth, and strategically position the Group as a resilient, future-forward organisation at the vanguard of innovation in an increasingly digital landscape.



## Yas Island Metaverse to Date



**25**

virtual space (SQKM)



**9**

key attractions



**5**

partners



**150k**

virtual visits

## Our Partners



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# MANASSAH

**Category** External incubation programme

**Definition** An 8-week annual retail incubator programme that allows selected small and medium-sized enterprises (SMEs) from the region to work closely with Aldar, increase their business know-how and unlock commercial opportunities within Aldar retail assets.

**Purpose** Identify the latest and most innovative retail and F&B trends and foster the development of novel retail concepts, which Aldar can leverage to differentiate its destinations while supporting entrepreneurs.

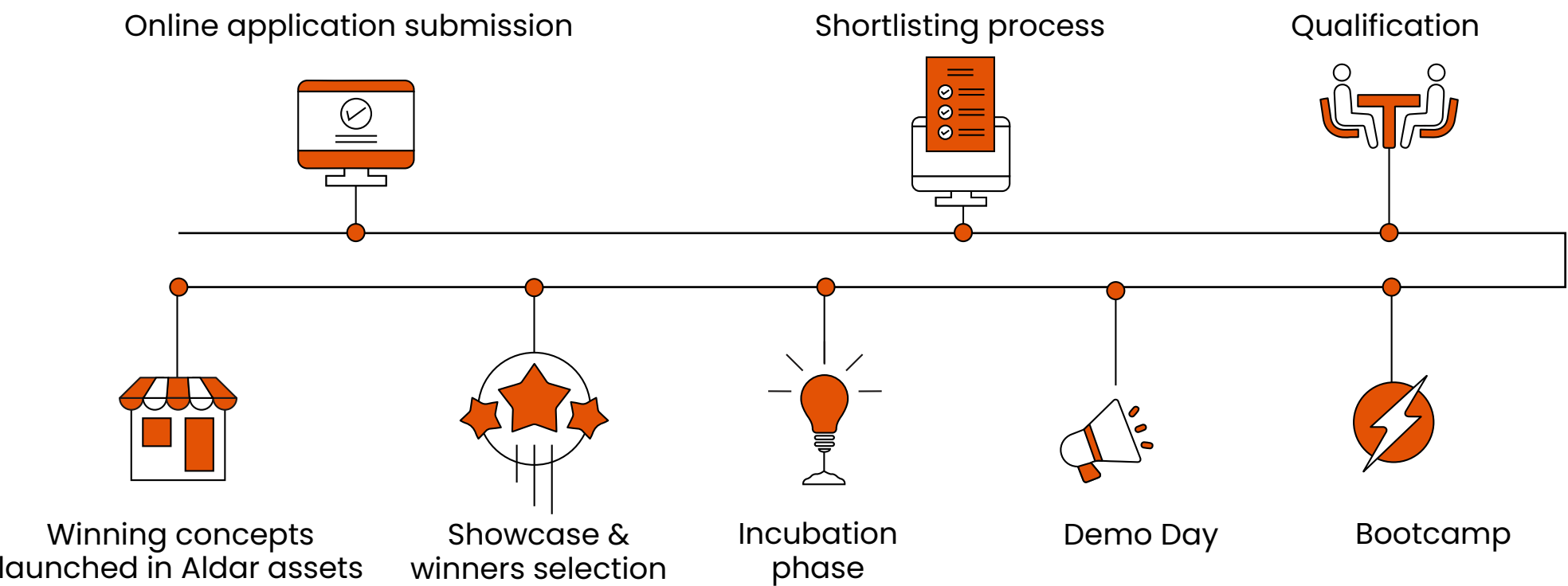
**Historical** **MANASSAH 1.0** targeted UAE-based SMEs operating in the retail, café, and restaurant space.

**MANASSAH 2.0** targeted GCC-based SMEs operating in retail, including technology-enabled start-ups and projects driving sustainability.

**MANASSAH 3.0** targeted SMEs in the F&B industry, as well as retail products and services.



**Process**



**MANASSAH to Date**

 **19**  
incubated

 **14**  
signed contracts

 **725**  
applications

 **124**  
interviews

 **45**  
in bootcamp

 **9mn**  
content views



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MANASSAH 3.0 Highlights



Zali is a convivial eatery that embodies the essence of Lebanese cuisine. It offers a wide range of healthy, vegetarian, and gluten-free options.

***Founded  
in Bali, 2020***



Monica Bakes is a cloud kitchen offering a menu of outstanding desserts, novelty cakes, and scrumptious bakery available via online orders and deliveries.


***Founded  
in Abu Dhabi, 2021***





Co Chocolat is a social enterprise committed to the fine art of chocolate-making and cocoa gastronomy, health, and the community of small-holding farmers in the Philippines.

***Founded  
in Dubai, 2019***

Media Metrics

 **5.3mn**  
content views

 **1.9mn**  
unique impressions

 **130k**  
engagement

Start-up Metrics

 **342**  
applications

 **8**  
incubated


 **50**  
shortlisted


 **3**  
stores

 **16**  
bootcamp

 **4**  
Ether pop-ups

Knowledge Metrics

 **6**  
bootcamp days

 **24**  
business education sessions



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# Scale Up

**Category** External accelerator programme

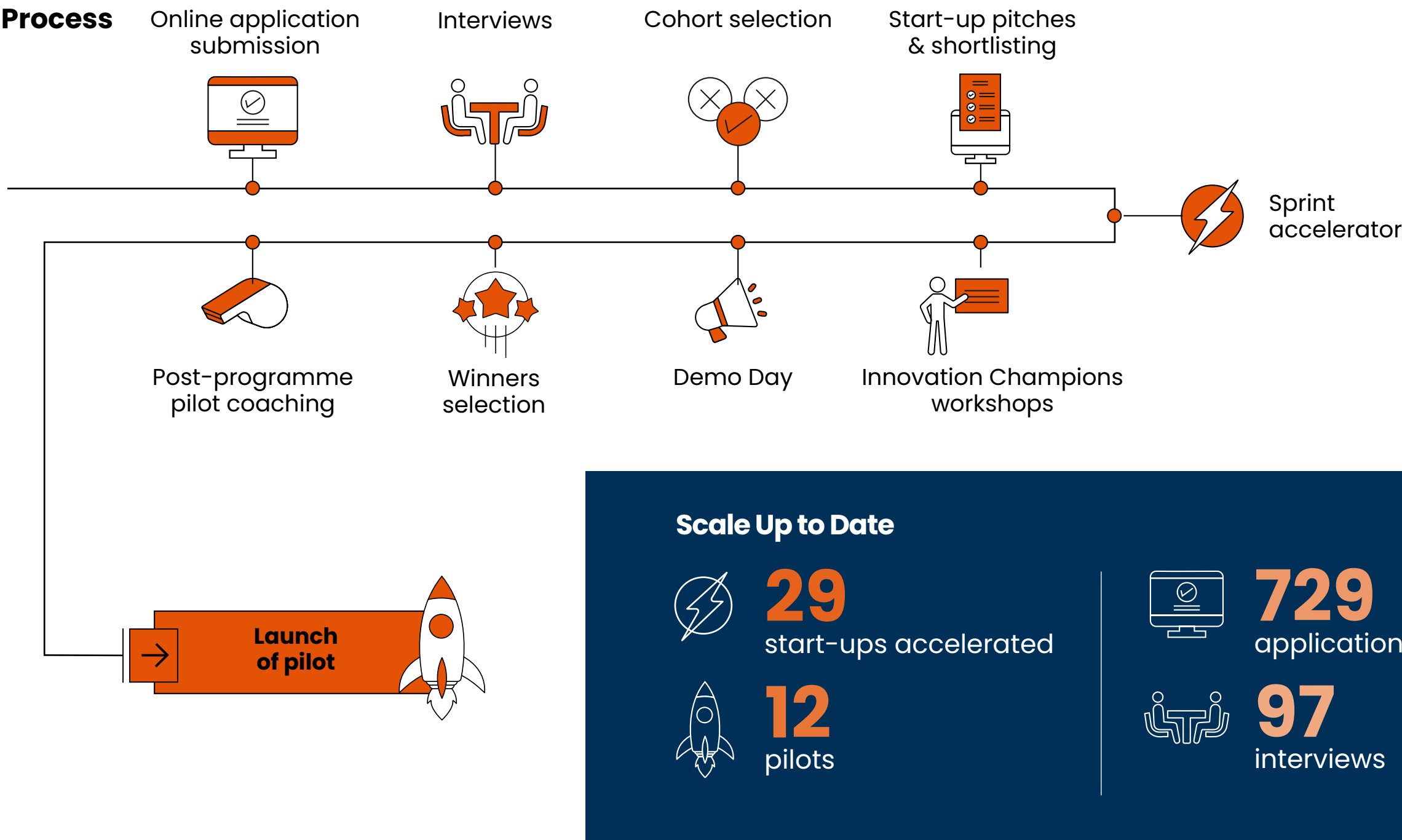
**Definition** A 4-week, equity-free annual accelerator programme that helps PropTech start-ups from around the world access tangible growth opportunities, guidance, and networks in the UAE and the GCC via incentives and commercial partnerships with Aldar and other regional market leaders.

**Purpose** Attract and execute in a cost-efficient way pilot projects that can unlock operational efficiencies, enhance customer experience within our core assets, and enable us to tap into emerging trends while progressing PropTech innovation across the region.

**Historical** **Scale Up 1.0** focused on PropTech solutions augmenting efficiency for developers.

**Scale Up 2.0** focused on data analytics, blockchain solutions, and customer experience.

**Scale Up 3.0** focused on sustainable solutions reducing service charges across utilities, properties & facilities management, and security & safety.



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SCALE UP  
By Aldar

ALDAR

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STARTAD  
ered by TAMKEENSCALE UP  
Demo Day

## Scale Up 3.0 Highlights



Clairco

Clairco enables safe indoor air quality and HVAC energy savings for commercial buildings, using nano-tech, IoT, and AI-based patented products and services.

**Founded  
in India, 2018**



Conservation Labs

Conservation Labs enables cost-effective and sustainable water use by improving water efficiency and reducing leaks with a simple sensor.

**Founded  
in the US, 2016**

Voltaware<sup>®</sup>

Voltaware helps individuals and businesses optimise their energy use, reduce their carbon footprint, and identify inefficient appliances through an energy insight platform.

**Founded  
in the UK, 2015**

## Key Metrics



**2mn**  
content views



**283**  
applications



**42**  
interviews



**7**  
countries  
represented



**10**  
selected



**3**  
winners of  
paid pilots



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Case Study	
Company Name	Voltaware
Challenge Statement	Lack of tenant visibility on energy consumption and usage patterns.
Pilot Scope	Voltware’s solution will monitor selected apartments’ energy efficiency. Its proprietary machine learning algorithm will break energy bills down to each appliance, enhancing safety and security while allowing customers to easily understand their energy consumption and take action.
Desired Outcome	Optimise our energy use and reduce our carbon footprint.

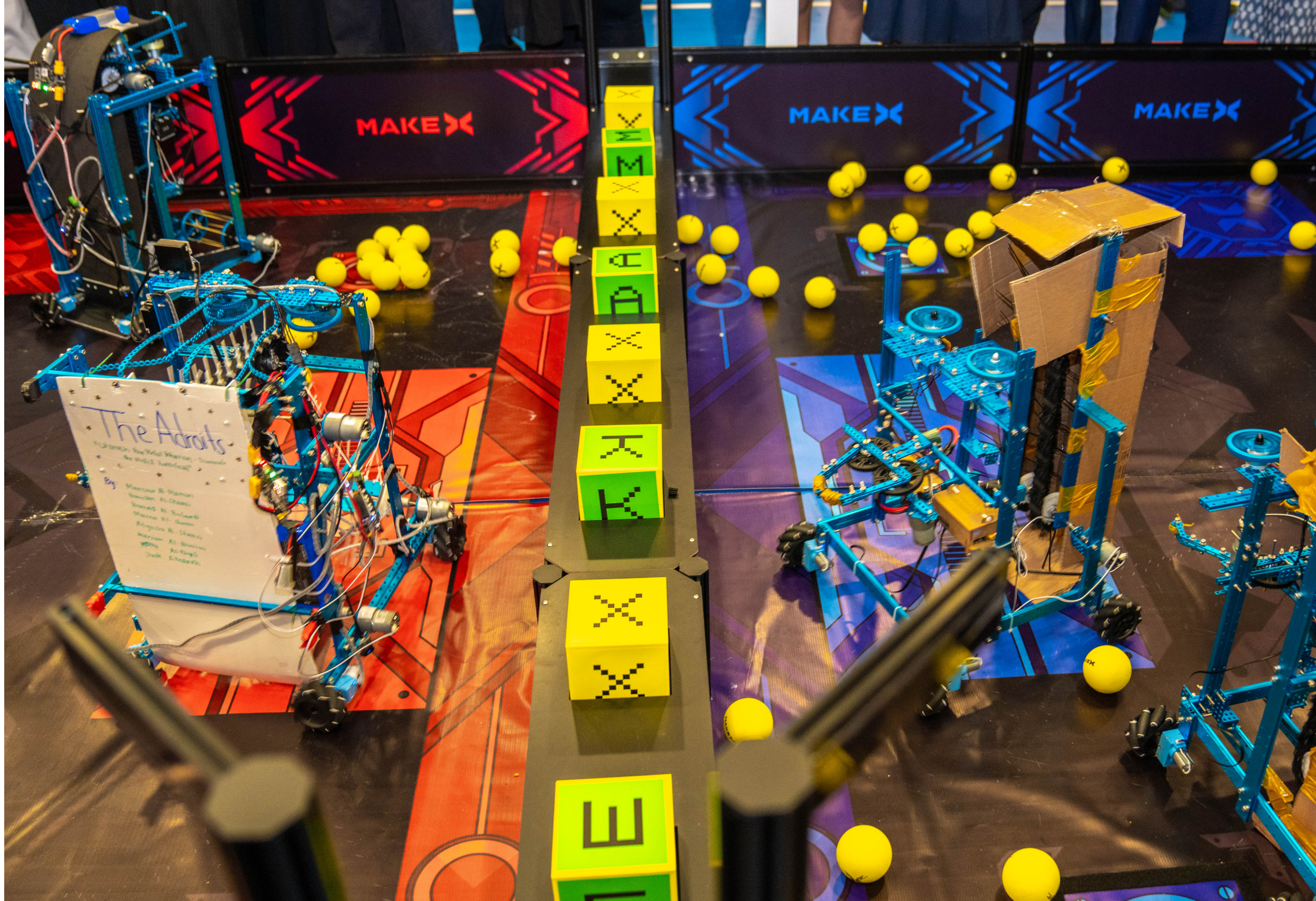


# National Mubarmij50 Competition

**Category** External innovation competition

**Definition** An annual initiative provided by Sandoog Al Watan and delivered by Aldar Education. It empowers young students to explore the latest technology trends, including Artificial Intelligence (AI), the Internet of Things (IoT), and robot construction & deployment, through hands-on experimentation with real programming languages such as Swift and Python. This not only provides children with a solid foundation in computer science but also helps them develop resilience, think critically, expand their creativity, experiment with mathematics and logical thinking, and build skills that will be in high demand in the future.

**Purpose** Have a wider social impact on the overall UAE student community and their skills, while diversifying Aldar's sources of revenue and creating a unique value proposition for its portfolio of schools.



## First Cohort



53 students



4 schools



1  
emirate

## Second Cohort

**707**  
students

**55**  
schools

6 emirates

## Our Growth

# 1,234%

# X13.75

# X6



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# Global Scouting & Piloting

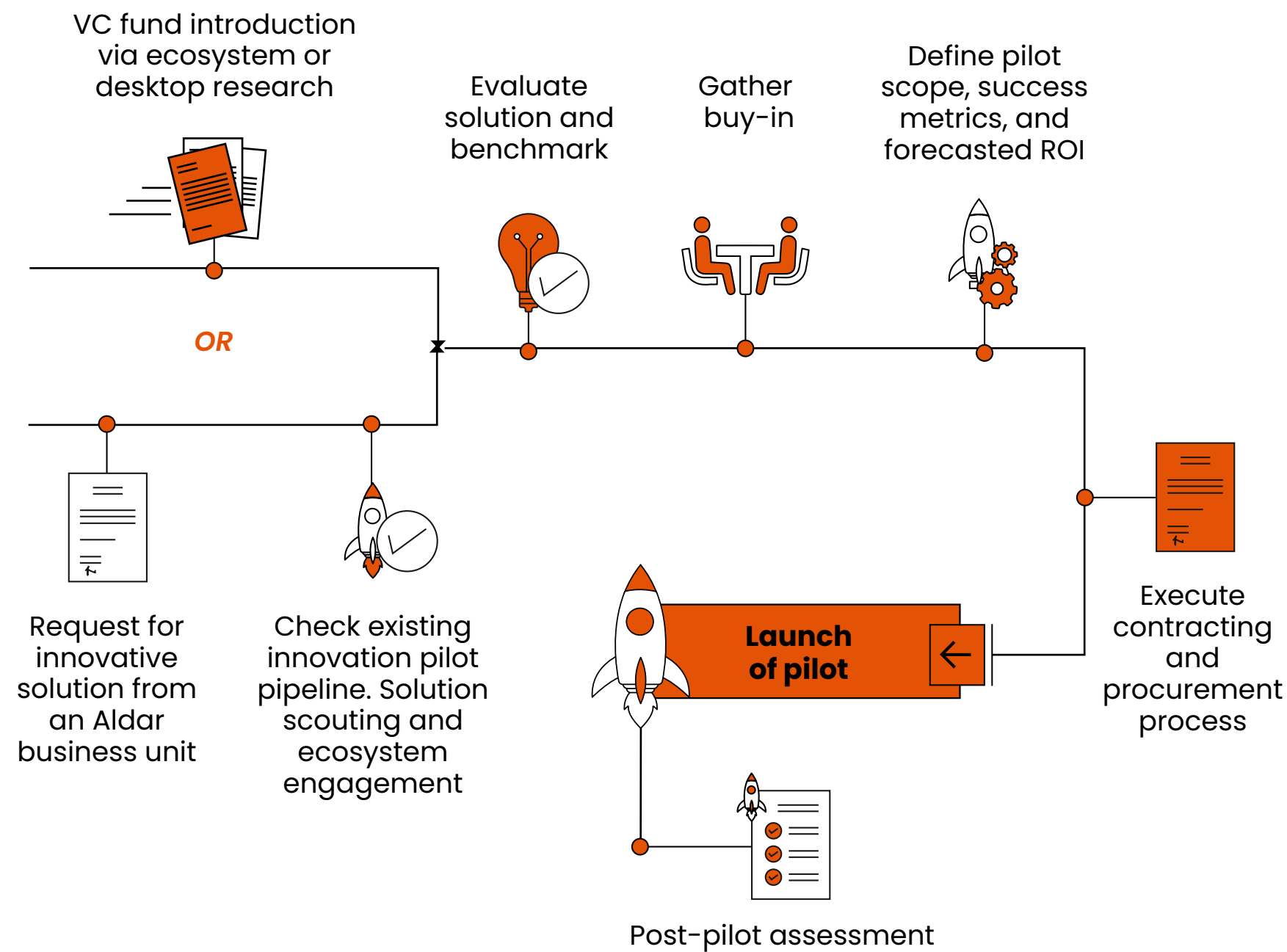
**Category** External innovation programme

**Definition** An ongoing innovation programme leveraging Aldar’s interconnected ecosystem of start-ups, mentors, venture capitalists, and partners. We identify leads and create an innovation pipeline through a systematic process. Relevant leads can be turned into pilot projects to test and assess in a controlled environment the potential impact of new technologies on the organisation. If successful, these pilots can then be developed into solutions addressing current challenges.

**Purpose** Explore Aldar’s expanding innovation ecosystem to identify innovation leads and implement innovative pilot projects, eventually helping develop solutions that will generate incremental value across the organisation and address business unit challenges.



Process



2022–2023 Status

- 63** active pilot projects in 2022
- 26** pilot projects contracted in 2022
- 78** active pilot projects in 2023 pipeline



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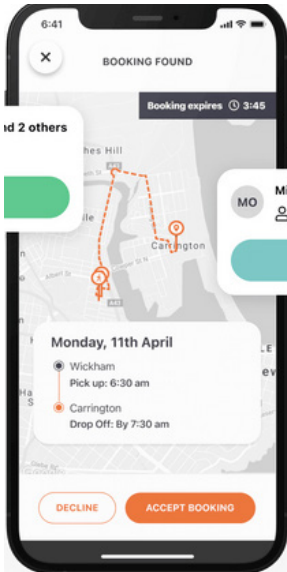
Global Scouting & Piloting  
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WORK WITH US





# Liftango



### Solution Overview

A demand-responsive shared mobility solution enabling route optimisation for staff transportation.

Start-Up	Liftango
Challenge Statement	To reduce the numbers of vehicles on the road, reduce carbon emission, and allow for cost savings.
Net Zero Focus Area	Resource efficiency & management
Lead Source	VC fund



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# Immerse

Solution Overview

Gamified, digital AR experiences within Aldar assets that allow users to virtually interact with their physical environment.



Start-Up    Rovar

Challenge Statement    To increase and enhance customer engagement through unique and immersive experiences.

Start-Up Selection Rationale    A winning start-up in the Ibtikar programme, specialising in branding and visual communication with a focus on making cities smart.

Lead Source    Ibtikar

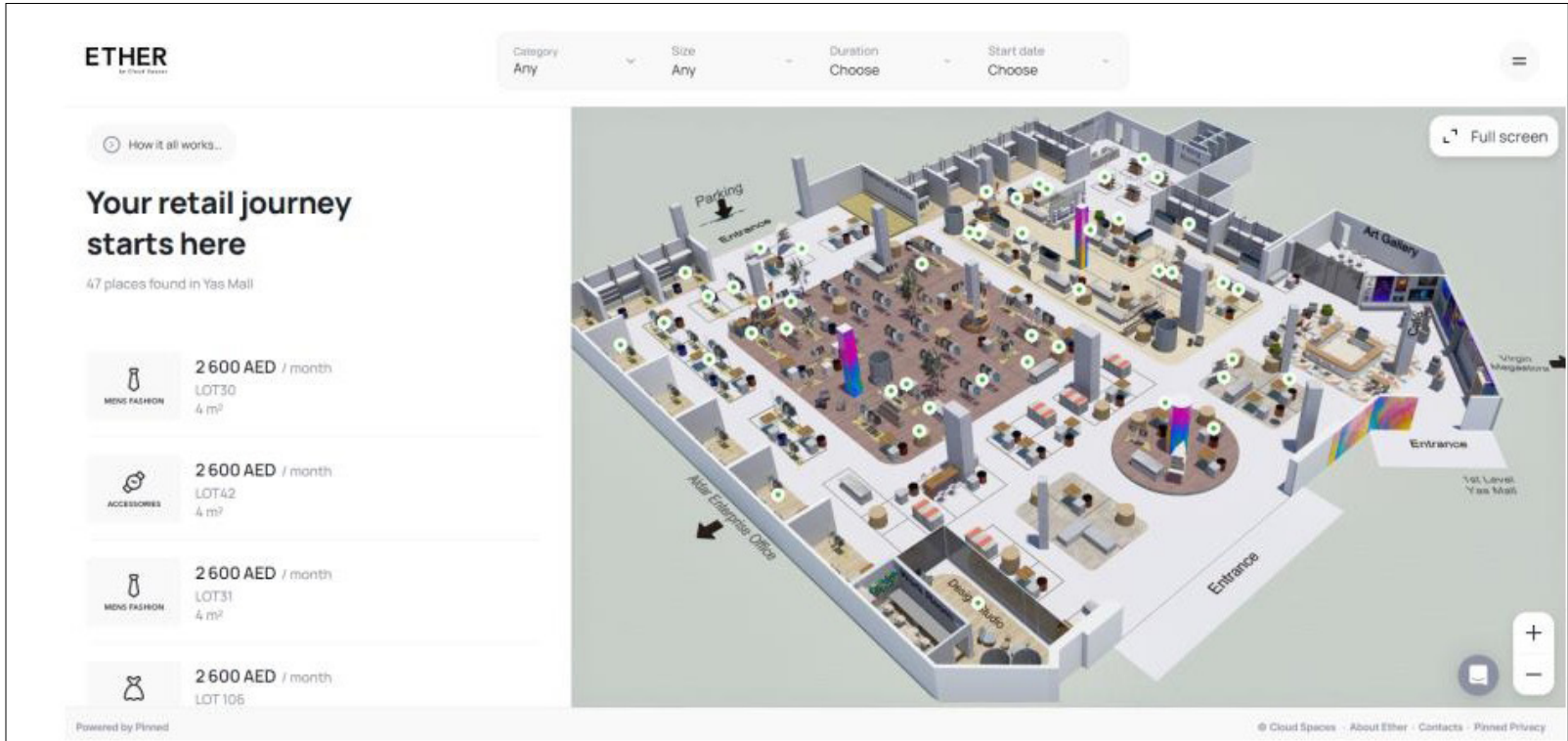






# Pinned

<b>Solution Overview</b> An interactive short-term retail booking platform aiming to simplify tenants’ experience.	
<b>Start-Up</b>	Pinned
<b>Challenge Statement</b>	To streamline boutique businesses’ retail space booking process with ETHER, ensuring transparency and efficiency via a fully automated platform.
<b>Start-Up Selection Rationale</b>	A customisable and cost-efficient SaaS solution that takes into account our localised needs.
<b>Lead Source</b>	Ibtikar



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- MANASSAH
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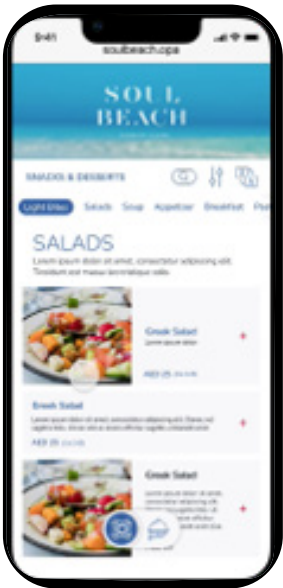
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# Opala

Solution Overview

A smart ordering service for the F&B industry that provides customers with the ability to order food and beverages from different brands in the vicinity while paying directly from their phones. This pilot has had such strong traction among customers since its launch in 2022 that we have been expanding it to several other locations.



Start-Up Opala

Challenge Statement To enable guests to conveniently order food from our retail tenants, whether they are at the beach, the mall, or home.

Start-Up Selection Rationale A local start-up with a strong hospitality portfolio, offering a seamless customer experience and sharing Aldar’s values of customer centricity and operational excellence.

Lead Source Partner referral

Success metrics

Over **7,000** orders at Soul Beach since launch

Approx. **70%** growth in the first three months of implementation





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# Mrüna

Solution Overview

A waste-water recycling solution, built around two components: BiomPods, a nature-based waste-water treatment system; and BiomPortal, a suite of interconnected IoT devices for remote monitoring and control.

Start-Up Mrüna

Challenge Statement To recycle waste-water on-site, thus reducing CO2 emissions and promoting a circular economy.

Net Zero Focus Area Resource efficiency & management

Lead Source Scale Up



**Success metrics**



730 sewage truck collections per year reduced to **0**



**137,000 KG** of CO2 emissions reduction



**8.2mn** litres recycled

Source of emission factors: IEA Statistics + Second GHG inventory for Abu Dhabi Emirate, EAD







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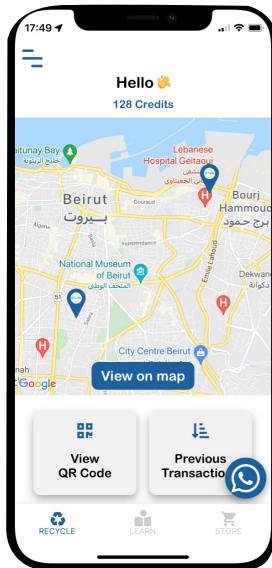
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# Yalla Return

Solution Overview

A community recycling initiative combining smartbins and a digital engagement platform to help users understand how to recycle while ensuring full traceability. Collection bags are equipped with unique QR codes allowing participants to earn credits that can be exchanged for rewards.



Start-Up Nadeera

Challenge Statement To engage, educate, and reward residents for recycling while enabling efficient waste collection.

Net Zero Focus Area Circular economy

Lead Source Hub 71

**Success metrics**

**11.8 tonnes** of waste diverted from landfills

**37,000kg** of CO2 emissions reduction

**287m3** landfill space saved

Source of emission factors: US EPA







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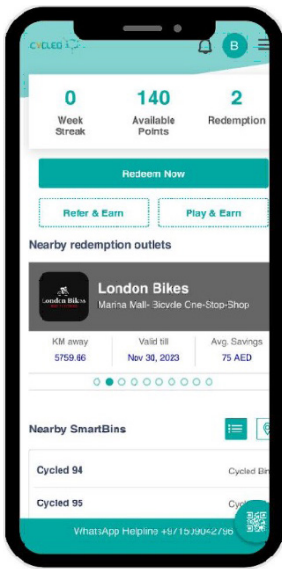
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# Cycled

Solution Overview

An AI-powered waste sorting and recycling solution providing incentives for community recyclers in various Aldar retail assets. Dropping items and scanning the smartbin’s QR code allows users to accumulate points that can be exchanged for shopping vouchers.



Start-Up Cycled

Challenge Statement To provide an easy-to-access recycling solution for our communities, thus contributing positively to Aldar’s Net Zero Strategy.

Net Zero Focus Area Circular economy

Lead Source Innovation scouting

**Success metrics**

**34 tonnes**  
of plastic recycled

**59,000kg** of CO2  
emissions reduction

**2mn+**  
plastic bottles

Source of emission factors: US EPA



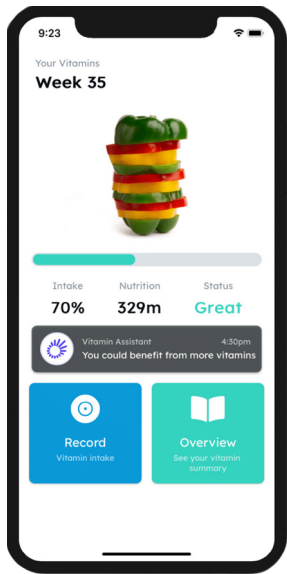




# HydroArt

## Solution Overview

An indoor hydroponic smart growing solution enabled by HydroArt’s smart app and hassle-free pods. The pilot was launched in the Yasmina school, providing students with hands-on sustainable growing cycle experiences and allowing for real-time observations.



**Start-Up** HydroArt

**Challenge Statement** To find a practical way to introduce sustainable growing as part of the curriculum.

**Lead Source** Innovation scouting



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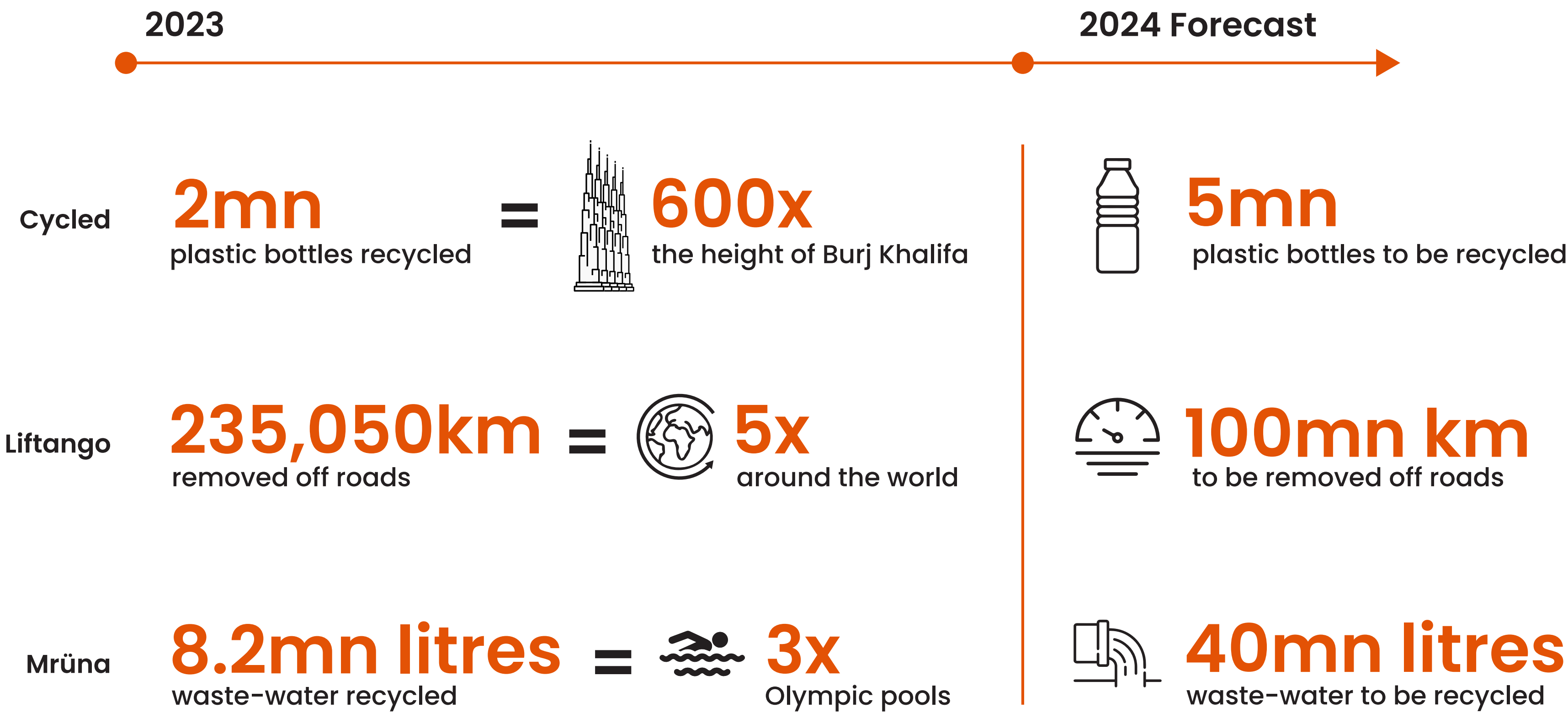
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Ready to embark on an innovation journey with Aldar?

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