

mUnity

IAPH Sustainability Awards

2023

Areas of Interest:
Health, Safety, and Security

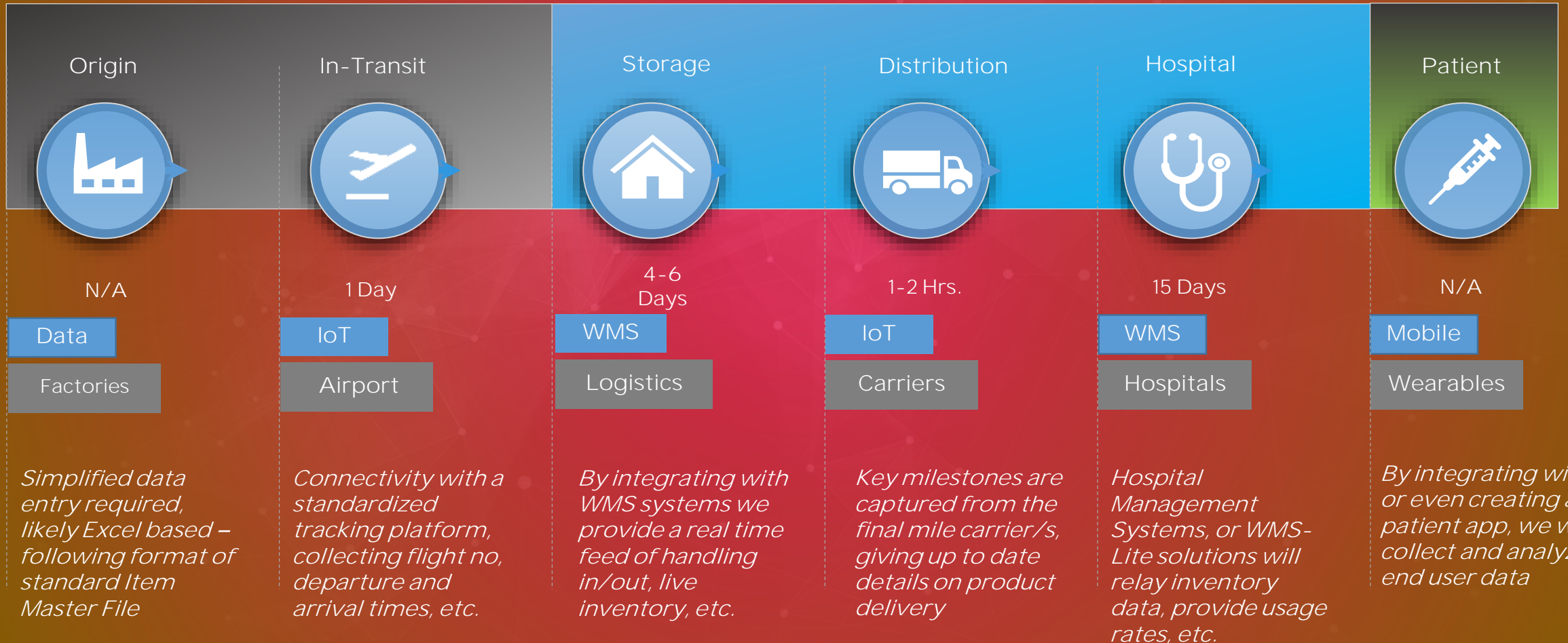


مجموعة موانئ أبوظبي
AD PORTS GROUP

القطاع الرقمي
DIGITAL CLUSTER



A Blockchain-based Vaccine Supply Chain Solution





For a Better Tomorrow

Overview

mUnity is a collection of digital products and services to support vaccine distribution. A reporting system that covers an end-to-end supply chain of the vaccines, with the existing collaboration efforts of Digital Cluster in Abu Dhabi Ports Group (ADPG) and Rafed (purchasing organization managing the procurement of healthcare supplies and products).

The Digital Cluster initiated the project in ADPG as a response to the COVID-19 pandemic around the world and to contribute to global efforts to optimize the vaccine supply chain. mUnity provides a detailed view, reporting, and Track & Trade features. It also provides simplicity and visibility across the entire process. Maqta Gateway® LLC, a wholly-owned ADPG, is a company that operates under its Digital Cluster and provides external services to the Trade Community.

The Vaccine's physical supply chain has different stages that the Vaccine goes through from origin to destination. Along this line, mUnity covers the Data Journey alongside the physical journey.



Environmental Containers

Airline Provider

Digital Solutions Provider

UAE GPO

Logistics Provider

UAE Medical Authority

mUnity

For a Better Tomorrow

Overview

The project is part of the HOPE Consortium in Abu Dhabi Emirate. It was spearheaded by the Department of Health – Abu Dhabi, which led to the emirate-wide consortium formation. The HOPE Consortium is a collective of industry-leading partners committed to working together to overcome these challenges to distribute vaccines. It brings together leading brands to deliver an end-to-end solution to distribute COVID-19 vaccines globally. It was formed as a response to the pandemic in November 2020 to contribute to global vaccine distribution. Six founding partners led the logistics for vaccine delivery and demand planning. The Digital Cluster of ADPG/Maqta Gateway LLC, through mUnity provides a one-stop 24/7 holistic and blockchain-enabled solution for vaccine track-and-trace services from production to patient. It is used by all entities and players involved in the vaccine supply chain and provides complete visibility and transparency on vaccine information with over 20 interactive dashboards. It has delivered vaccines currently over 50 countries with over 5 Agreements in place.

HOPE
Consortium

SKY+CELL

Environmental
Containers

الاتحاد
ETIHAD
CARGO

Airline
Provider

بوابة المقطوع
MAQTA GATEWAY

Digital Solutions
Provider

رافد
Rafed

UAE
GPO

موانئ أبوظبي
ABU DHABI PORTS

Logistics
Provider

دائرة الصحة
DEPARTMENT OF HEALTH

UAE Medical
Authority

mUnity

For a Better Tomorrow

Overview

WORLD 29 - 30
IMMUNISATION & LOGISTICS MARCH
SUMMIT 2021

In March 2021, the Digital Cluster in ADPG has arranged with the other partners in the Hope Consortium "The World Immunisation & Logistics Summit" which is the first global event of its kind for optimization of vaccine distribution that was hosted virtually. It was a major international gathering of front runners and senior decision-makers leading the charge in the collective human effort against the COVID-19 pandemic. The two-day summit had the participation of over 2550 attendees from 191 countries from all corners of the globe representing governments, key multi-national NGOs, IGOs, pharmaceutical and global supply chain players, as well as leading academics. It was presented by over 60 Speakers, World Leaders and Industry Experts.



HOPE 
Consortium

SKY  CELL

الإتجاه
ETIHAD
CARGO

بوابة المقطوع
MAGTA GATEWAY

رافد
Rafed

موانئ أبوظبي
ABU DHABI PORTS

وزارة الصحة
DEPARTMENT OF HEALTH

Environmental
Containers

Airline
Provider

Digital Solutions
Provider

UAE
GPO

Logistics
Provider

UAE Medical
Authority

mUnity

For a Better Tomorrow

Overview

The partners in the HOPE Consortium play a critical and essential role with an integrated logistics and digital solution overseen by the Department of Health- Abu Dhabi. The consortium has reached over 4.5b consumers in 4 time zones. The founding members of the Hope Consortium are the main profiles accessing mUnity for supply chain information, which are:

1. Department of Health: The regulator of the healthcare sector in the emirate of Abu Dhabi, the Department of Health – Abu Dhabi (DoH), is offering regulatory oversight to the HOPE Consortium. DoH is internationally recognized as a robust healthcare regulator, achieving one of the most successful global responses to the COVID-19 pandemic. DoH provides scientific knowledge and medical expertise as a powerhouse in life science regulation.
2. Etihad Cargo: the cargo and logistics arm of Etihad Airways, the national airline of the UAE. From its hub in Abu Dhabi, Etihad Cargo provides a vital link between Asia, Europe, Africa and the US. Etihad has launched Pharma Life - the first IATA's Centre of Excellence for Independent Validators (CEIV) certified vaccine transport solution in the MENA region. Etihad Cargo has direct connections to the globe through a global network of trusted partners and an extensive fleet of cargo aircraft to deliver vaccines through the HOPE Consortium's supply chain.

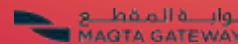
HOPE
Consortium



Environmental
Containers



Airline
Provider



Digital Solutions
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UAE
GPO



Logistics
Provider

UAE Medical
Authority

3. Abu Dhabi Ports Group (Logistics Cluster): as the UAE's key strategic logistics enabler, ADPG- Logistics Cluster, provides end-to-end logistics support clearing and freight management, storage, order processing and re-distribution of COVID-19 vaccines for the HOPE Consortium. ADPG- Logistics Cluster operates the Largest Cold & Ultra-Cold Chain, an advanced 19,000 sqm cold and ultracold storage facility with the capability to store over 120 million vaccines of all types at any time and temperatures ranging from +8°C to -80°C.

4. Sky Cell: is an award-winning provider of temperature-controlled container solutions focusing on serving global pharmaceutical companies. Its best-in-class container solutions can maintain cold and ultra-cold temperatures for extended periods, enabling vaccines to be received and safely absorbed by nations with limited logistical and refrigeration capabilities.

5. Rafed: is a Group Purchasing Organization (GPO) that leverages the bulk purchasing power of the UAE. Experienced in managing purchases of large volumes of vaccines and other pharmaceutical products and supporting humanitarian initiatives, as part of the HOPE Consortium, Rafed is responsible for providing procurement management services on behalf of DoH.



Environmental
Containers

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Provider

Digital Solutions
Provider

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Provider

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Authority



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Overview

6. Maqta Gateway/ Abu Dhabi Ports Group (Digital Cluster): Maqta Gateway is ADPG's digital arm and a leader in developing integrated and digital global trade solutions. Its unique blockchain-enabled vaccine management system, mUnity, can ensure that vaccines are digitally managed, tracked and delivered, from production to those in need, around the globe safely, transparently, and on time. mUnity provides a 24/7 customer service operation solution that can be developed based on customer requirements to track the cold chain vaccine pharmaceutical supply chain worldwide.

Main Customer (Vaccine Distributor- Total of 5):

An example of a Key Distributor is Group42, a leading Artificial Intelligence and Cloud Computing company dedicated to developing and implementing holistic and scalable technology solutions. It has a Pharmaceutical arm that has partnered with the largest vaccine manufacturers and with Rafed to distribute the vaccine.

Other Customers:

Freight Forwarders: 16 leading global freight forwarders such as Aramex, FedEx, UPS, DHL, Agility., DSV, and Hellmann.



Environmental
Containers



Airline
Provider



Digital Solutions
Provider



UAE
GPO



Logistics
Provider

UAE Medical
Authority

Delivering Hope To The World

+200,000,000
Vaccine Doses

+50
Countries

- ✓ Over 20 interactive dashboards
- ✓ Covering +50 Countries Worldwide
- ✓ Blockchain-enabled supply chain solution
- ✓ 16 Integration Points with client systems
- ✓ 8 Stakeholders Profiles
- ✓ 25 key Stakeholders and Customers
- ✓ 16 Global Partners
- ✓ Over 84 million Transactions
- ✓ Digital monitoring & tracking from collection to last-mile delivery
- ✓ Real-time notifications for vaccine supply chain visibility
- ✓ Control pace of supply chain
- ✓ Transparent, secure & traceable
- ✓ 99.99% Availability



A Blockchain-based Vaccine Supply Chain Solution



Decentralized Data

Tamper-proof Data

High Transparency

High Availability

Our Commitment to UN SDGs



Goal 3. Ensure healthy lives and promote well-being for all at all ages

The Digital Cluster of ADPG/ Maqta Gateway is committed to promoting and prioritizing the health and well-being for all its stakeholders and the wider Community

Target 3.8 Achieve universal health coverage, including financial risk protection, access to quality essential healthcare services and safe, effective, quality and affordable essential medicines and vaccines for all.

Target 3.d Strengthen the capacity of all countries, in particular developing countries, for early warning, risk reduction and management of national and global health risks



mUnity Supported the delivery of COVID-19 Vaccines to more than 50 countries free of Charge. More than 40 were developing Countries

mUnity

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Our Commitment to UN SDGs



8 DECENT WORK AND ECONOMIC GROWTH



Goal 8. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

The Digital Cluster of ADPG/ Maqta Gateway is committed to promoting optimized work environment , boosting productivity, and offering economic gains with the use of Technology that is accessible to all

Target 8.2 Achieve higher levels of economic productivity through diversification, technological upgrading and innovation, including a focus on high-value-added and labour-intensive sectors



mUnity supported the development of the Technology Infrastructure for vaccine track and trace for better decision-making, leading to time and cost savings and an efficient vaccine supply.

Our Commitment to UN SDGs



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

The Digital Cluster of ADPG/ Maqta Gateway is committed to building unified innovative digital infrastructure that is sustainable, resilient, and accessible to all

Target 9.1 Develop quality, reliable, sustainable and resilient infrastructure, including regional and transborder infrastructure, to support economic development and human wellbeing, with a focus on affordable and equitable access for all



mUnity supported efficient supply of vaccines and had direct integration with the Trade Single Window in Abu Dhabi, named Advanced Trade and Logistics Platform (ATLP). mUnity provides real-time information access with high transparency to all cargo-related information and updates from only one point of contact.

mUnity is considered to be one of a kind end-to-end vaccine tracking system that covers all supply chain steps from Manufacturing all the way to vaccine Administration. mUnity provided high safety by preventing low-quality and counterfeit vaccines that seriously affect human health from entering the supply chain. This was achieved through high monitoring and visibility throughout the various steps.



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Estimated Impact

Business case/Request Type	Time required Before mUnity (mins)	Time Required After mUnity (mins)
Track end to end COVID 19 vaccines shipment	20	2
Monitor the shipment condition during the journey and in the warehouse	20	3
Check Number of available vaccines (Vials and doses) in different statuses, including reserve orders.	30	2
Report Generation and Sharing*	120	5

Estimated Cost Savings for mUnity Stakeholders (based on Time Savings) is at least **AED 46 Million (USD 12.53mm)****

Optimization of the Supply Chain Due to the transparency supported Decisions Making (No Shortages in Vaccine Delivery)

Estimated **25%** Improved Supply Chain Efficiency due to mUnity (mainly avoided product loss)

Estimated Vaccine Waste Averted due to mUnity is **124 Million Vaccines**

Estimated GHG Emissions Averted due to mUnity efficiency **7 million (kgCO2e)**

**This includes requesting the data, rearranging the data, and designing the report, writing and formatting, and reviewing and obtaining the approvals to share the report.*

***Assuming that each user have used each type of requests twice for each order/batch*

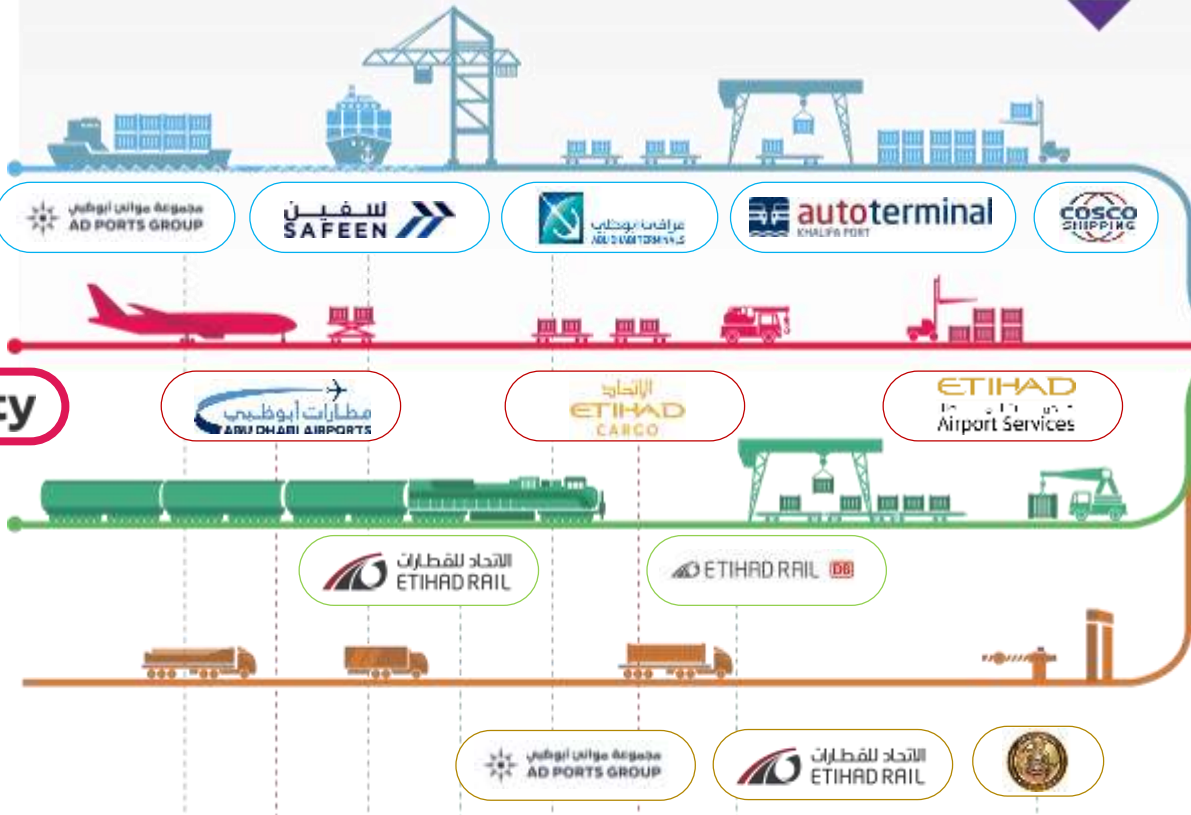


Other Port Community Systems



Stakeholders

mUnity is integrated with the Single Window in Abu Dhabi, the Advanced Trade and Logistics Platform (ATLP) for the Air Cargo Real-Time Track and Trace



mUnity



800+ Main Services 20% Government Services 80% Non-Government Service

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Testimonials

“And to top it all, we got the likes of Maqta Gateway.

We appreciated that the physical identity and journey of the vaccine is very important but equally important in this day of age is to have a digital identity that follow the vaccine all the way from where its being originating to the destination side, where it gives a live data and a live visualizations of what's the temperature integrity of that vaccine, where is it, whatever it is in the world, and what's the management of the inventory remaining and how can we move it to achieve the maximum efficiency around the distribution and the matching of the vaccination program.”

– **Dr. Omar Najim- Executive Office Director at DoH**

Source: Hope Consortium- South Africa Virtual Roadshow



“But this is vitally important because having a physical supply chain and with all the of right partners doesn't mean anything unless we know where the vaccines are, and that they're being stored in their appropriate temperatures as they move through that supply chain.

And that's a key role that Maqta play in the HOPE Consortium.”

– **Robert Sutton- Head of Logistics Cluster at Abu Dhabi Ports Group**

Source: Hope Consortium- Pakistan Virtual Roadshow



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For a Better Tomorrow

Earned Media Impact



83
pieces of
coverage



901M
online
readership



1.53M
estimated
coverage views



635
social shares



48
average
domain
authority



1.76M
circulation



100
positive
sentiment

Africazine

Hope Consortium to distribute COVID-19 vaccines to countries across the world including Kenya



The HOPE Consortium has announced that it will distribute COVID-19 vaccines to countries across the world including Kenya. The consortium is a partnership of leading global pharmaceutical companies and governments.

HOPE Consortium's World Immunization & Logistics Summit kicks off in Abu Dhabi



CAIRO - 30 March 2021: UAE Minister of Foreign Affairs and International Cooperation Sheikh Abdullah Bin Zayed Al Nahyan opened on Monday the HOPE Consortium's World Immunisation & Logistics Summit, with a call to enhance collaboration in the world's approach to tackle COVID-19 and ensure a healthier future for all.

Abu Dhabi's HOPE to host Immunisation & Logistics Summit



Abu Dhabi's HOPE Consortium has announced the inaugural World Immunisation & Logistics Summit, a major international gathering of front runners and senior decision makers leading the charge in the collective human effort against the Covid-19 pandemic.

Among the international speakers will be Dr Tedros Adhanom Ghebreyesus, Director General, WHO; Mark Zuckerberg, CEO of Facebook; and Bill Gates, co-founder of the Bill & Melinda Gates Foundation.

Millions of jobs, stored in UAE warehouse, ready to be shipped



The HOPE Consortium building in Abu Dhabi where COVID-19 vaccines are stored to be shipped to 100+ countries worldwide.

Hope Consortium: UK looks to inactivated Valneva vaccine to tackle Covid-19 variants

UK vaccine minister Nadhim Zahawi says Abu Dhabi's role as a potential vaccine hub will help the nation's efforts to combat the pandemic.



British Prime Minister Boris Johnson speaks to British leaders to discuss the quality control laboratory when leaders of the World Immunisation & Logistics Summit are held at the Abu Dhabi Convention Centre.

The UK could join its hopes on a new inactivated vaccine to help guard against variants of the coronavirus.

Nadhim Zahawi, the UK's vaccine minister, said Valneva's shot could provide more varied protection against new strains.

ARAB NEWS



Hope Consortium hailed as timely effort to ensure equitable COVID-19 vaccine access

Abu Dhabi as logistics hub can help conflict-ridden, needy countries deliver vaccines.



As the first-ever World Immunisation & Logistics Summit concludes, the HOPE Consortium, leading experts pledge to close the global immunisation gap

ABU DHABI, 30th March, 2021 (WAM) -- Abu Dhabi's HOPE Consortium and world-leading experts marked the end of The World Immunisation & Logistics Summit today by pledging to close the global immunisation gap. Through a series of key discussions with global healthcare professionals, philanthropists, decision makers and senior government officials, the consensus was formed that innovation, ingenuity and inclusiveness are key to finding a global solution to the COVID-19 pandemic and ensuring equitable access to vaccines for all.

Abdullah bin Mohammed Al Hamed, Chairman, Department of Health - Abu Dhabi, delivered the opening address titled 'Innovation, ingenuity and inclusiveness: Finding the human solution to a global challenge'. He spoke of the pace at which countries and communities had collaborated since the pandemic began. "In 2020 and so far this year, the COVID-19 global pandemic continues to be one of the largest and most complex global challenges in modern times. It's incredible how the world has come together to tackle this issue that transcends communities, borders and continents," he said.

Discussing the resilience and success that the world has shown, Al Hamed said: "There are incredible technology and scientific advancements that have been developed as a result of the pandemic. Under one unified goal, countries around the world are working tirelessly to find solutions."

Speaking of the achievements of Abu Dhabi and the HOPE Consortium to date, he explained: "We strongly believe no one can do this alone. Together, we have a capacity to handle over six billion doses of the vaccine this year, and we are already increasing this to deliver over 18 billion vaccine doses by the end of 2021, with the capacity to deliver this anywhere in the world. We believe the HOPE Consortium is a catalyst for even greater collaboration with partners worldwide."

mUnity

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Received Awards



MENA Stevie Award 2022
Most Valuable Corporate
Response (COVID-19)



International Business Award 2022
Most Valuable Corporate
Response (COVID-19)

**TRANSPORT
& LOGISTICS**
MIDDLE EAST

Transport & Logistics Middle East (TLME)
Heroes of the Pandemic Awards 2021
Hero of the Pandemic in Technology Award





For a Better Tomorrow

Additional Resources

Videos and Websites:

Hope Consortium Introduction Video: <https://youtu.be/2wCdZUdwvyE>

Hope Consortium Introduction Website: <https://hopeconsortium.com/>

World Immunization & Logistics Summit Website:

<https://hopeconsortium.com/news-media/world-summit/>

World Immunization & Logistics Summit Overview Video: <https://youtu.be/OtZdl-fjzT4>

Opening Ceremony and Keynotes from the World Immunisation & Logistics Summit Day 1:

<https://youtu.be/qp4JIEtInEs>

References:

- 1) Bryan Patenaude, Jeromie Ballreich, Estimating & comparing greenhouse gas emissions for existing intramuscular COVID-19 vaccines and a novel thermostable oral vaccine, The Journal of Climate Change and Health, Volume 6, 2022
- 2) Juliet Martin, The supply chain innovations behind the world's largest vaccine programme, Controlant, Pharmaceutical Technology, 2022
<https://www.pharmaceutical-technology.com/sponsored/the-supply-chain-innovations-behind-the-worlds-largest-vaccine-programme/>

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Screenshots- Login Page



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Screenshots- Landing Page

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Temperature
Monitoring



Supply Chain
Tracking

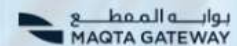


Inventory
Management



Vaccine
Summary

Powered By



بوابة الممقطع
MAQTA GATEWAY

Screenshots- Supply Chain Temperature Monitoring

Supply Chain

Vaccine Temperature

Data as on : 22-May-2023 12:01 PM

Overview

Manufacture

Shipping

Storage

Distribution

Point of Care

Patient

Re-Export

Product

All ▼

← Back

Received Date

All ▼

AWB No

All ▼

Batch No

All ▼

Recorder No

All ▼

Vaccine Temperature - Data Logger D (Celsius)

● Min Temper... ● Max Temp... ● Max Thres... ● Min Thres...

Vaccine Temperature - Data Logger M (Celsius)

● Max Temper... ● Min Temp... ● Max Thres... ● Min Thres...

Vaccine Temperature - Data Logger U (Celsius)

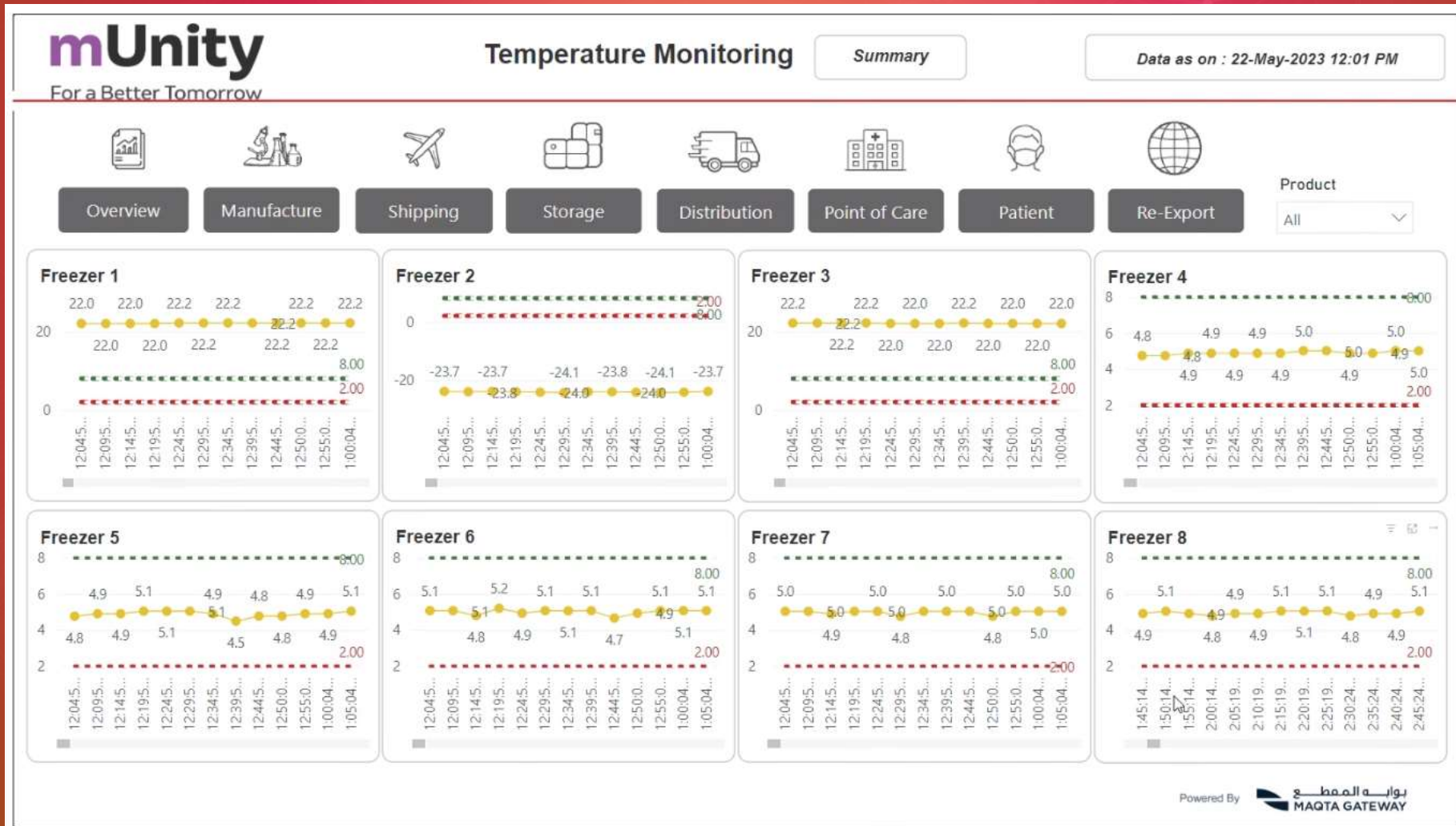
● Min Temper... ● Max Tem... ● Max Thres... ● Min Thres...

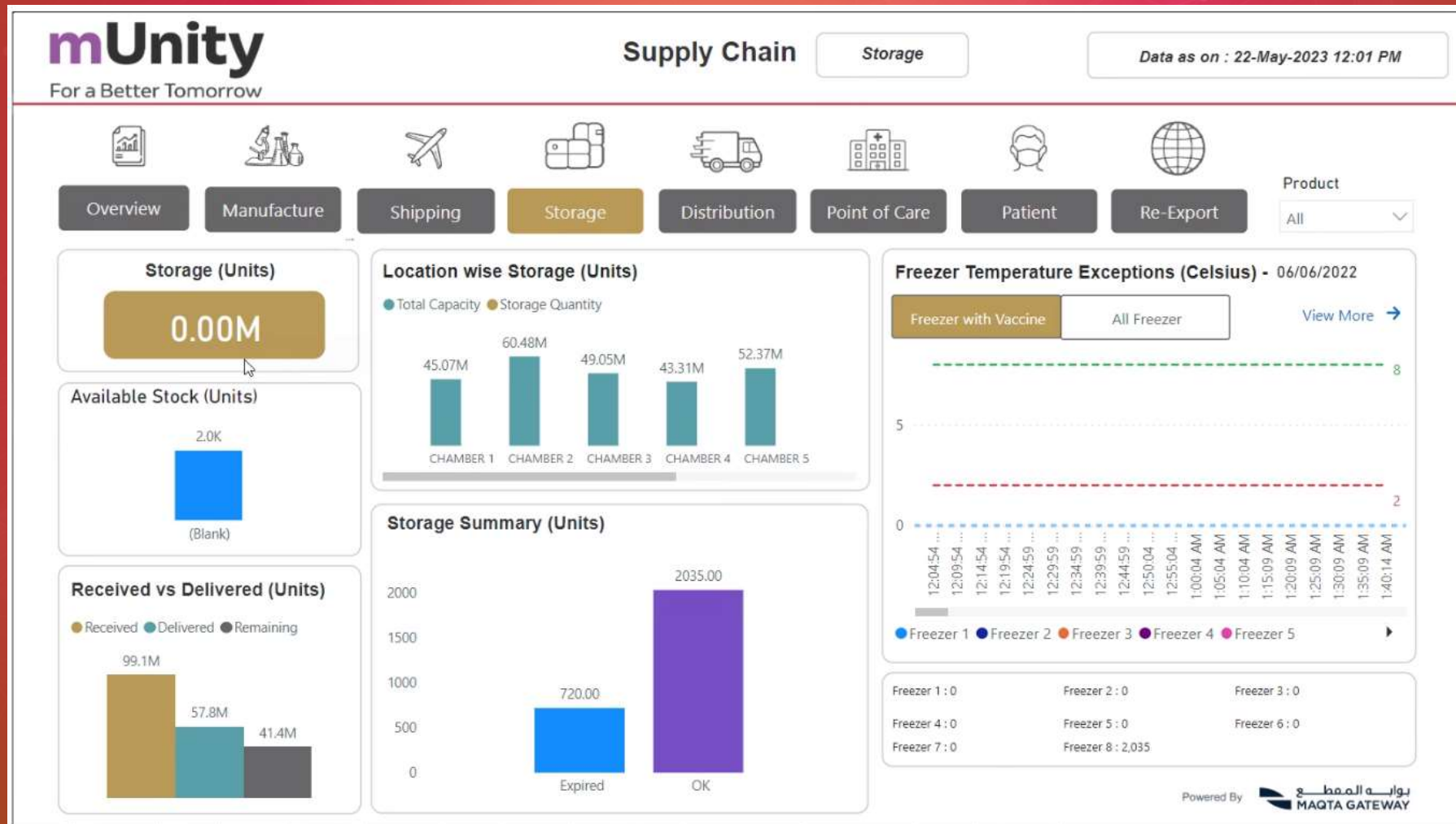
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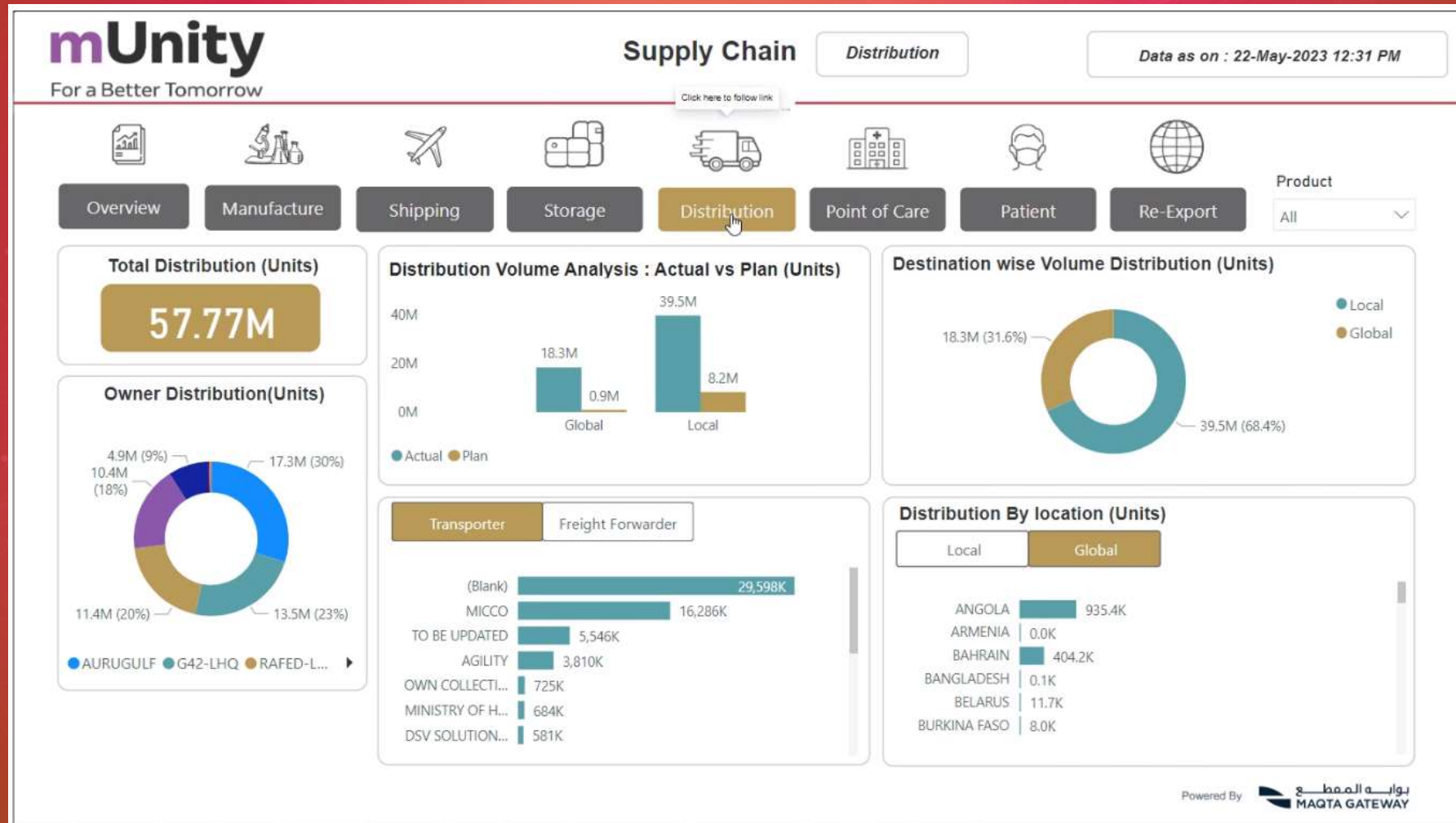
mUnity

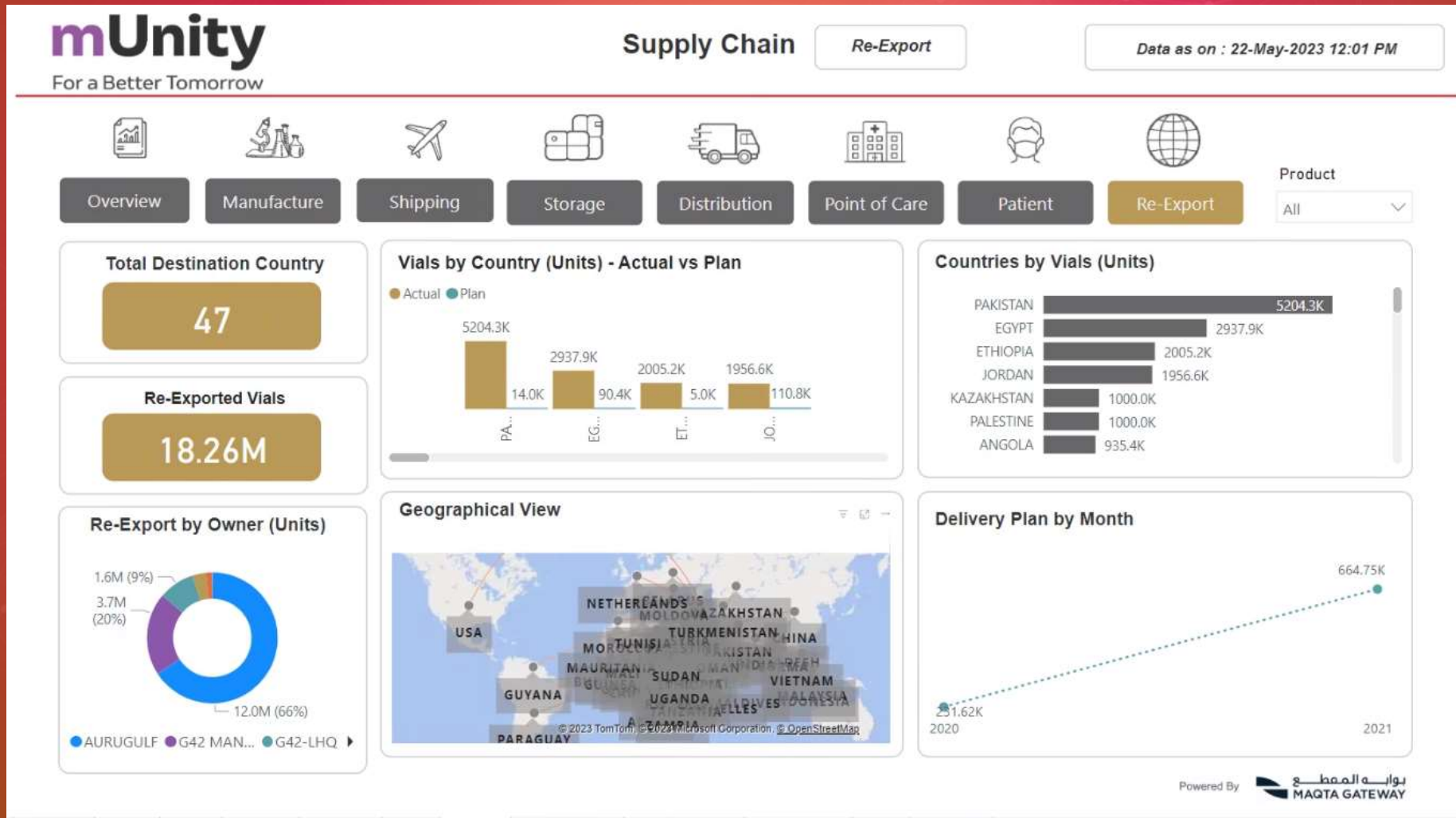
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Screenshots- Storage Temperature Monitoring





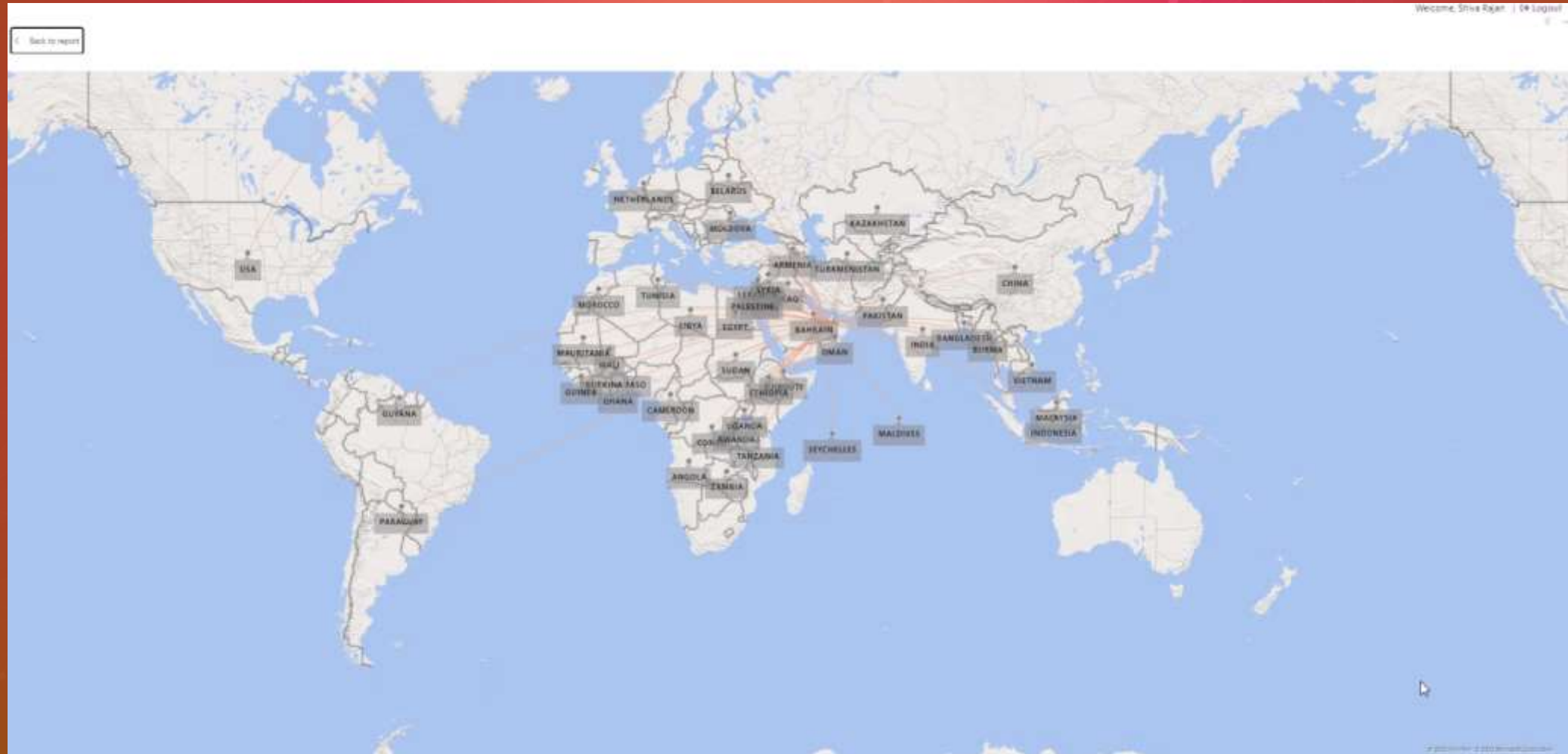




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Screenshots - Re-export Geographical View



The screenshot displays the mUnity Track & Trace interface. At the top, the mUnity logo and tagline 'For a Better Tomorrow' are on the left. The main header includes 'Track & Trace', an 'Overview' button, and a date/time stamp 'Data as on : 22-May-2023 12:01 PM'. Below the header is a navigation bar with icons and buttons for Overview, Manufacture, Shipping, Storage, Distribution, Point of Care, Patient, and Re-Export. A 'Product' dropdown menu is set to 'All'. On the left side, there is a 'Back' button and an 'AWB No' dropdown menu also set to 'All'. The main content area features a table with the following columns: AWB No, House Awb, Tracking Status, Event Code, Event Description, and Movement Type. The table contains five rows of data, all with 'REEXPORT' as the movement type. Below the table is a 'Track' section with a legend for various movement types: Booked On Flight, Picked up from Manufacture, Received at Origin Airport, Custom Clear at Origin, Flight Departed, Flight Arrived, Custom Clear at Destination, and Delivered to Warehouse. At the bottom right, it is noted 'Powered By' MAQTA GATEWAY with its logo.

mUnity
For a Better Tomorrow

Track & Trace Overview Data as on : 22-May-2023 12:01 PM

Overview Manufacture Shipping Storage Distribution Point of Care Patient Re-Export Product: All

← Back

AWB No	House Awb	Tracking Status	Event Code	Event Description	Movement Type
17661236195	1041334649	CUSTOMS_CLEAR_AT_DESTINATION	CSOD	Customs Status at destination	REEXPORT
17661236232	1042291134	CUSTOMS_CLEAR_AT_DESTINATION	CSOD	Customs Status at destination	REEXPORT
17661236243	1042319450	RECEIVED_BY_WAREHOUSE	CSOD	Customs Status at destination	REEXPORT
17661236254	1042325079	CUSTOMS_CLEAR_AT_DESTINATION	CSOD	Customs Status at destination	REEXPORT
17661236265	1042324256	CUSTOMS_CLEAR_AT_DESTINATION	CSOD	Customs Status at destination	REEXPORT

Track

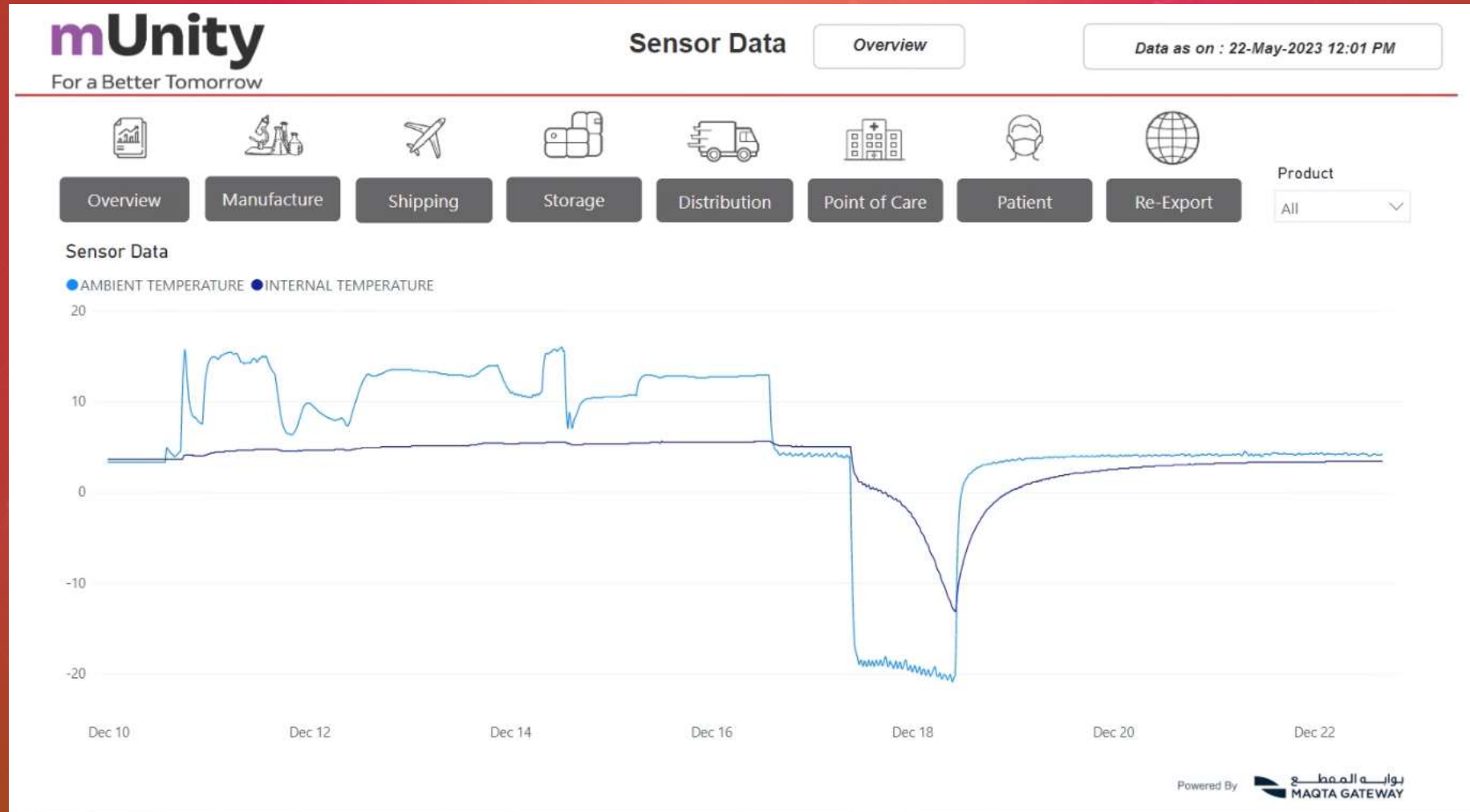
Booked On Flight Picked up from Manufacture Received at Origin Airport Custom Clear at Origin Flight Departed Flight Arrived Custom Clear at Destination Delivered to Warehouse

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Screenshots- Sensor Data



Inventory Management

Summary

Data as on : 22-May-2023 12:01 PM

Overview

Manufacture

Shipping

Storage

Distribution

Point of Care

Patient

Re-Export

Product

All
▼

Inventory Summary

Owner	Received Date	Warehouse	SKU	ASN Number	Order Number	Category	Supplier Name	Brand	Descr ^o
AURUGULF	24/03/2021	LHQ	GAM-COVID-VAC	44320	Sputnik- 2303202- 23.03.2021	PHARMA		SPUTNIK	Sputnik
AURUGULF	24/03/2021	LHQ	GAM-COVID-VAC-II	44320	Sputnik- 2303202- 23.03.2021	PHARMA	PURE HEALTH MEDICAL SUPPLIES L.LC	SPUTNIK	Sputnik
AURUGULF	24/03/2021	LHQ	GAM-COVID-VAC-II	44320	Sputnik- 2303202- 23.03.2021	PHARMA	PURE HEALTH MEDICAL SUPPLIES L.LC	SPUTNIK	Sputnik
AURUGULF	29/03/2021	LHQ	GAM-COVID-VAC	46107	Sputnik Export for Lybia	PHARMA		SPUTNIK	Sputnik
AURUGULF	06/04/2021	LHQ	GAM-COVID-VAC	47736	Sputnik Vaccine 30k	PHARMA		SPUTNIK	Sputnik
AURUGULF	06/04/2021	LHQ	GAM-COVID-VAC	47736	Sputnik Vaccine 30k	PHARMA	PURE HEALTH MEDICAL SUPPLIES L.LC	SPUTNIK	Sputnik
AURUGULF	08/04/2021	LHQ	GAM-COVID-VAC-II	48904	RETURN STOCKDR HIRA	PHARMA	PURE HEALTH MEDICAL SUPPLIES L.LC	SPUTNIK	Sputnik
AURUGULF	12/04/2021	LHQ	GAM-COVID-VAC-II	49693	Sputnik Vaccine 5k	PHARMA	PURE HEALTH MEDICAL SUPPLIES L.LC	SPUTNIK	Sputnik
AURUGULF	18/04/2021	LHQ	GAM-COVID-VAC	50681	Sputnik 49K 15/04/2021	PHARMA		SPUTNIK	Sputnik
AURUGULF	18/04/2021	LHQ	GAM-COVID-VAC	50681	Sputnik 49K 15/04/2021	PHARMA	PURE HEALTH MEDICAL SUPPLIES L.LC	SPUTNIK	Sputnik
AURUGULF	18/04/2021	LHQ	GAM-COVID-VAC-II	50681	Sputnik 49K 15/04/2021	PHARMA	PURE HEALTH MEDICAL SUPPLIES L.LC	SPUTNIK	Sputnik
AURUGULF	18/04/2021	LHQ	GAM-COVID-VAC-II	50681	Sputnik 49K 15/04/2021	PHARMA	PURE HEALTH MEDICAL SUPPLIES L.LC	SPUTNIK	Sputnik
AURUGULF	18/04/2021	LHQ	GAM-COVID-VAC-II	50681	Sputnik 49K 15/04/2021	PHARMA	PURE HEALTH MEDICAL SUPPLIES L.LC	SPUTNIK	Sputnik
AURUGULF	27/04/2021	LHQ	GAM-COVID-VAC-II	53736	Return 500AMP 27.04.2021	PHARMA	PURE HEALTH MEDICAL SUPPLIES L.LC	SPUTNIK	Sputnik
AURUGULF	03/05/2021	LHQ	GAM-COVID-VAC	54701	Sputnik 200k 02-05-2021	PHARMA	HUMAN VACCINE LLC	SPUTNIK	Sputnik
AURUGULF	14/05/2021	LHQ	GAM-COVID-VAC	56932	5100 Sputnik 10.05.2021	PHARMA	PURE HEALTH MEDICAL SUPPLIES L.LC	SPUTNIK	Sputnik

Total

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MAQTA GATEWAY

mUnity

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Future Plan

After achieving the goal of

mass vaccination, the last transaction in mUnity was on Mid-year 2022.

After the Success achieved by the Hope Consortium and mUnity, there is a plan to move mUnity beyond COVID-19 vaccines.

There is a discussion between RAFED and Ministry of Health, to upgrade the system and utilize it along with the physical logistics and cold chain to service the wider pharmaceutical market.

More integrations to be added and customization based on the specifics of the medical products and equipment

Therefore, mUnity will potentially form the basis of further projects within the health sector in Abu Dhabi.

HOPE 
Consortium

SKY  CELL

الإتجاه
ETIHAD
CARGO

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MAGTA GATEWAY

رافد
Rafed

موانئ أبوظبي
ABU DHABI PORTS

وزارة الصحة
DEPARTMENT OF HEALTH

Environmental
Containers

Airline
Provider

Digital Solutions
Provider

UAE
GPO

Logistics
Provider

UAE Medical
Authority

Thank You

The image features a dark blue background with a complex network of glowing light blue lines and nodes. The nodes are small circles, and the lines connect them in a web-like pattern that recedes into the distance, creating a sense of depth. The overall aesthetic is futuristic and technological. The text "Thank You" is positioned on the left side of the image, overlaid on the network pattern.