



**ATHENS**  
**SEPTEMBER 4-7, 2022**  
**AT THE GRAND HYATT**

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**FOCUSED**  
**ON THE FUTURE**

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**Challenges and Opportunities**  
Standing Still is not an option



# 1084 days since we last met up!!!!

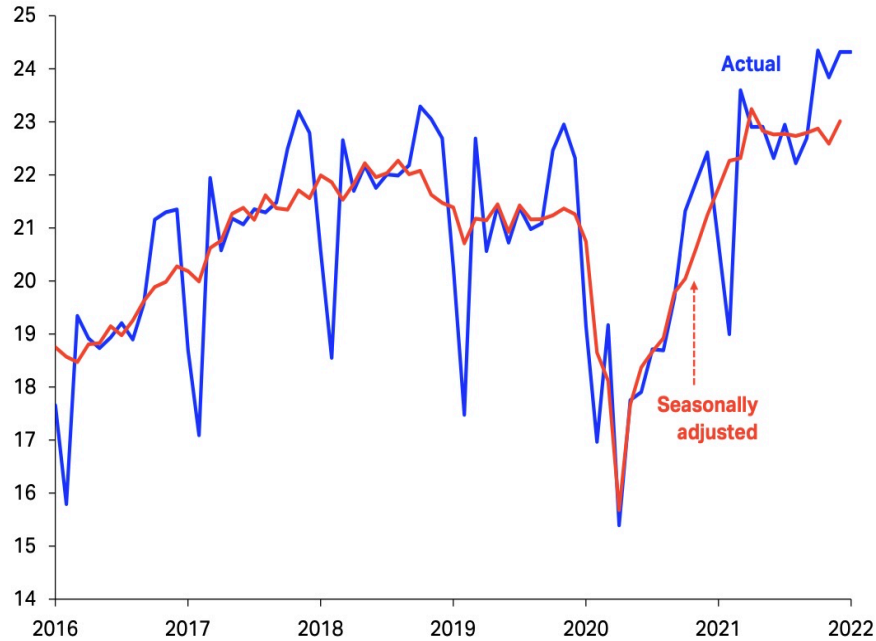
- Cargo unexpectedly boomed
- Technology moved forward
- Operational challenges mushroomed
- Sustainability moved up a number of notches
- ULD CARE survived and even blossomed

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Industry CTKs (billion per month)



Sources: IATA Economics, IATA Monthly Statistics

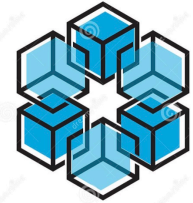
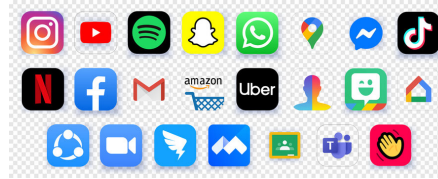






# Tech moved forward

- Blockchain
- RFID
- Apps
- Virtual Reality



BLOCKCHAIN



## Operational Challenges

- Huge manpower shortages/turnover
- Rapid growth in cargo overwhelming facilities
- Collateral damage to ULD



# ULD CARE through Covid

- Membership stayed pretty stable- THANK YOU !!!!
- IULDUG system ran throughout.
  - Lost some participants
  - Demurrage charges running around US\$ 2 million a year.
- Newsletters continued to flow and we launched a social media presence.
- We took advantage of developing technologies
- We ran an on line conference finally in early 2022
- We developed a sustainability focus



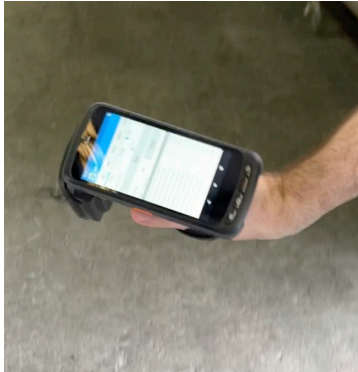
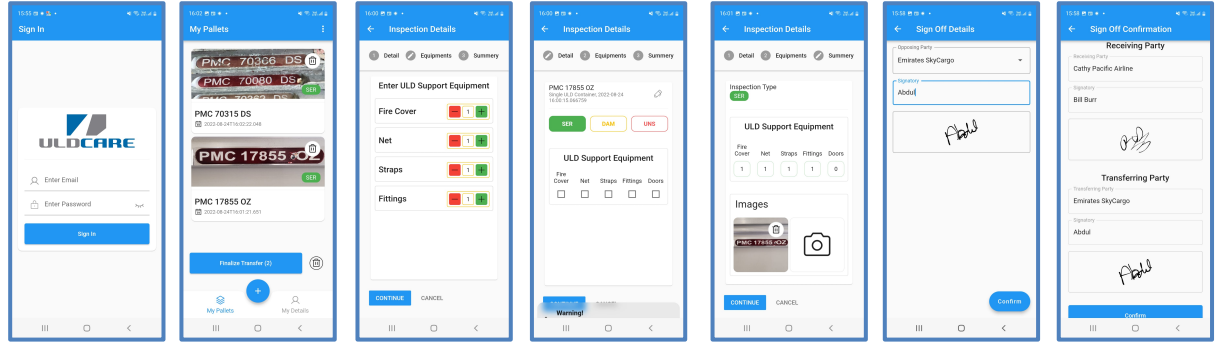
# IULDUG upgrade

- Blockchain POC with SITA
- Industry research
- White paper
- Data collection from airlines
- Engagement with key air cargo stakeholders
- Discussions with collaborators



# E-UCR

- App development
- RFID





# Virtual Reality training

- Employee retention and knowledge is a MASSIVE problem in the industry.
- Cargo handling is seen as “low tech”, not attractive to younger work force
- Unlikely that the physical processes in cargo handling will change any time soon- while training can be enhanced with using VR.
- **Virtual Reality can unlock the training challenge**





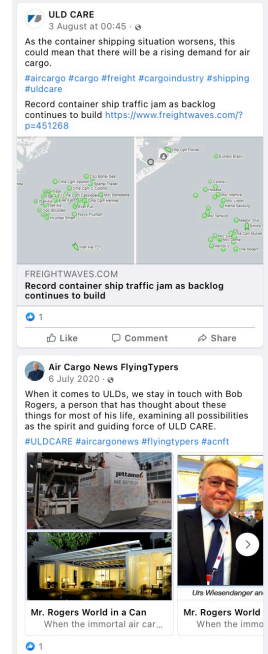
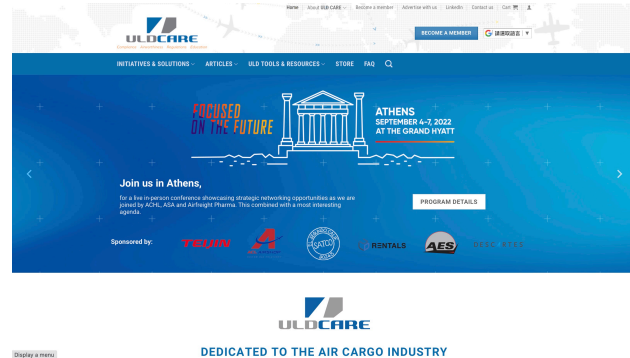
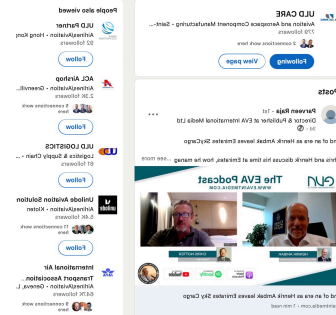
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# Spreading the message

- Web site refreshed
- Virtual conference
- Social media presence



# Sustainability

- Impossible to ignore
- On one hand lighter weight ULD have made very considerable contribution to the industry through fuel burn reduction
- On the other hand there is widespread waste across the air cargo industry, much of it involving ULD, reduction of this waste is low hanging fruit



# 1084 days on..... Focussed on the Future

- ULD CARE stronger than ever
  - We have a tech “following wind”
  - The demurrage project is the first to put money in the airlines hands rather than asking them to spend
  - Freight assets, be they a PMC or a 40 ft TEU are now headline news
  - The paper based UCR is decades out of date
  - RFID is making a comeback
  - Our reputation continues





And now over to our panel.....but first a  
piece of ULD history...