



Reefers toward **FUTURE**

MODULAR  
EQUIPMENTs



## Products Suite

### Core Modular Structures

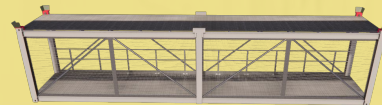
#### ConneXTainer<sup>®</sup>

- Factory-built module ready to manage reefers in areas without pre-installation.
- Ready to handle automation and semi-automation in reefer management.
- Shipped like a container and managed with standard port equipments.

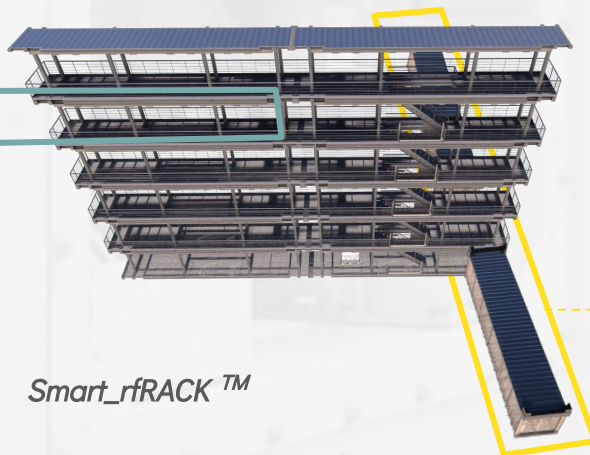


#### ConneXTunnel

- Modular shippable 40' solution, created to ensure the **safe passage** of reefer technicians in operational areas adjacent to reefer racks.
- Thanks to its strength, it can be used as a **reefer positioning platform** to maximise the use of reefer slots.



Reefer towers are built by connecting several prefabricated and factory-tested **ConnexTainer<sup>®</sup>** modules.



Smart\_rfRACK<sup>™</sup>

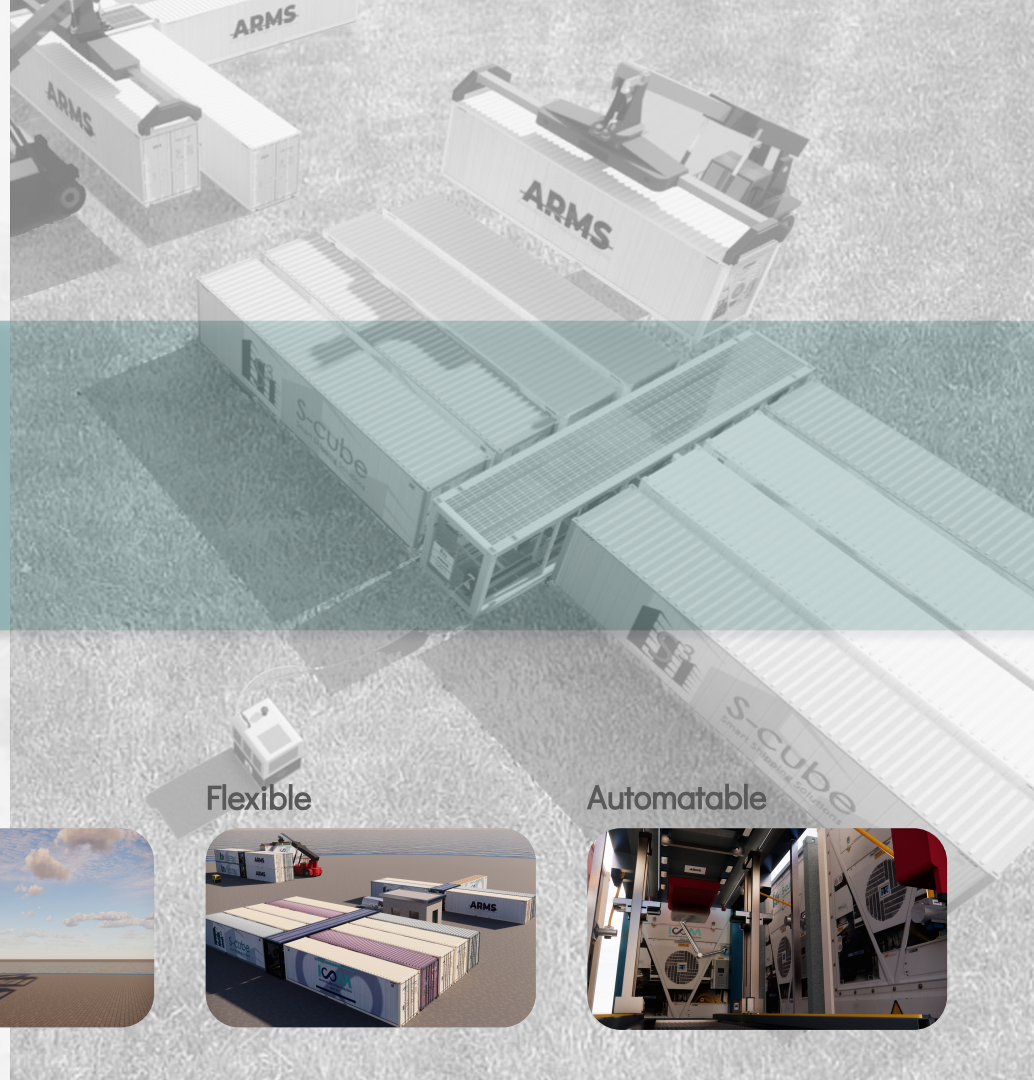


## Products Suite

Connexainer® : a portable reefer rack

Connexainer®

S-CUBE patent that allows the automation and management of reefers even outside the port contexts



Ship



Truck

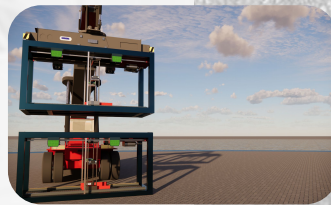


Train

Shippable



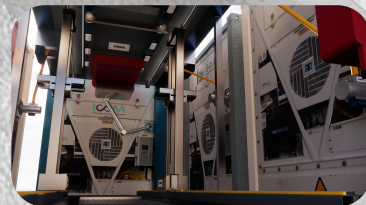
Stackable



Flexible



Automatable

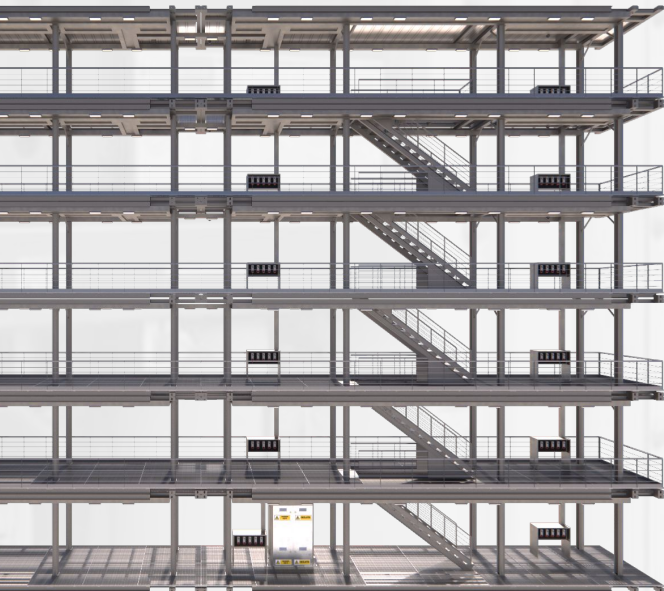






## Products Suite

Smart\_rfRACK™



The **SMART-rfRACK™** (hereinafter referred to as **SRR**) is an innovative reefer tower designed by S-Cube and manufactured by our regional production partners, it integrates and houses within it our products dedicated to the management of refrigerated containers.

The modules of this rack are based on our patent **ConneXtainer®**, built and tested entirely in the factory, shipped by container ships and assembled using normal lifting equipment utilized in the terminals.

The assembly and preparation procedure of these reefer racks allows for **considerably less time** than that required for the construction of its traditional equivalent, and does not require the use of expensive external cranes.





## Products Suite

SRR Advantages: **Logistics** and **Expansion**



### Shippable



Ship



Truck



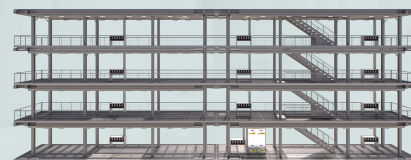
Train



### Upgradable



Can be extended (if needed)





## Products Suite

Smart\_rfRACK and ConneXTunnel: **Modular Building**



Reefer towers are built by **connecting** several prefabricated and **factory-tested** Connexcontainer modules.

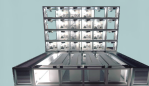
Modular assembly can be carried out at the destination terminal using **standard lifting equipment** .



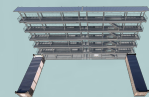
Stackable



Scalable



Energy saving



Flexible



Ready for automation



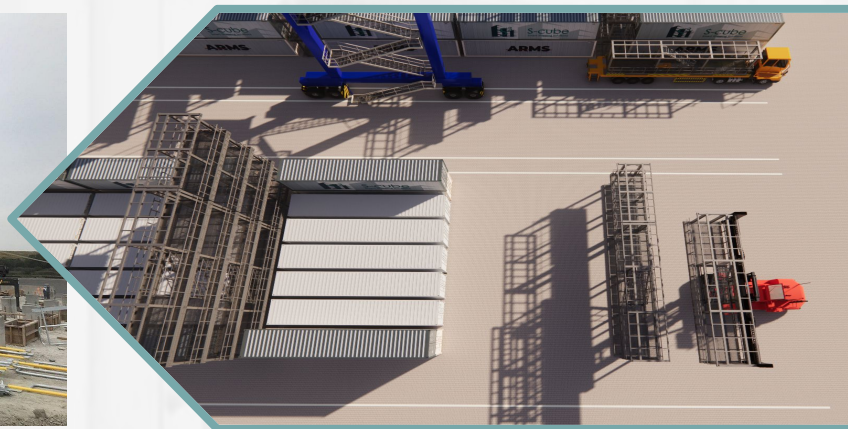
## Future of Reefers

### SMART-rfRACK™ - Delivery and installation time

Real photo of reefer rack construction phase



Visual render of SMART-RFRACK™ construction phase reefer rack



Fast delivery thanks to container logistics

Reduced construction times

Assembled, tested and certified in factory

Modular assembly

Our innovative approach enables us to assemble your rack more quickly than those using older-generation solutions.

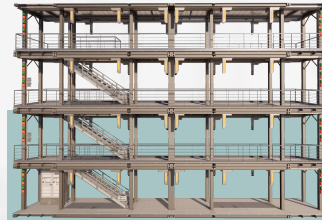
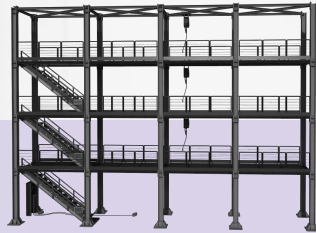
There will be no need to hire expensive external cranes, and no hazardous debris (typical of long-term construction sites) will be left in the work area.





## Products Suite

### Reefer RACK type comparison



#### OLD generation Reefer RACK

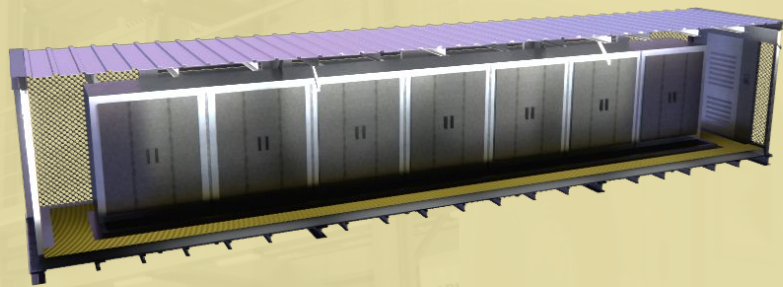
#### Modular Equipment Smart\_rfRACK™

|                                                |       |       |                                                                                                    |
|------------------------------------------------|-------|-------|----------------------------------------------------------------------------------------------------|
| Durability                                     | ☆☆☆☆☆ | ☆☆☆☆☆ | Same constructive materials                                                                        |
| Steel weight per tier                          | ☆☆☆☆☆ | ☆☆☆☆☆ | Similar weight                                                                                     |
| Final cost per slot                            | ☆☆☆   | ☆☆☆☆  | Overall, SRR has lower costs                                                                       |
| Logistics                                      | ☆☆    | ☆☆☆☆  | shipped via carriers capable of transporting ISO-standard containers                               |
| On-site erection time                          | ☆     | ☆☆☆☆☆ | Assembled by stacking the modules using standard terminal equipment. Very less time indirect costs |
| On-site erection Cost                          | ☆☆    | ☆☆☆☆☆ | No need for expensive external cranes; installation is carried out by small crews of workers       |
| Time required to install electrical components | ☆     | ☆☆☆☆☆ | electrical components already installed and tested in factory before final assembly                |
| Duration of commissioning on site              | ☆     | ☆☆☆☆☆ | One rack can be raised in one week                                                                 |
| Repairability in case of serious damage        | ☆     | ☆☆☆   | Repairs may also consist in replacing damaged modules                                              |
| Automation and Semi-Automation ready           | ☆     | ☆☆☆☆☆ | All systems can be installed and tested in factory before final assembly                           |
| Dismantling and recovery time and cost         | ☆     | ☆☆☆☆☆ | Dismantling SRR consist in just disassembly and relocate via logistics to new owner or to disposal |
| Option to change the placement or reselling    | ☆     | ☆☆☆☆☆ | Yes, that's an option                                                                              |

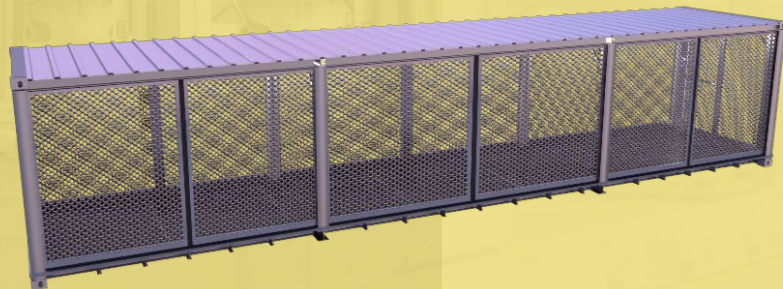


## SRR accessories

ConneXPOWER & ConneXTUNNEL



**ConneXPOWER** -> 20', 40' or 45' container module which houses the power transformers inside. It can be handled using port lifting equipment.



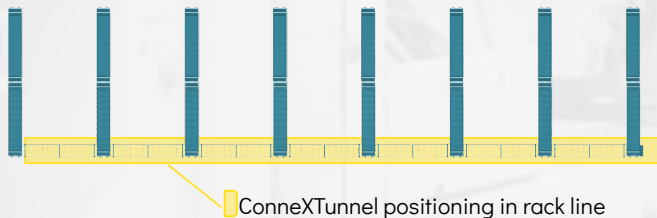
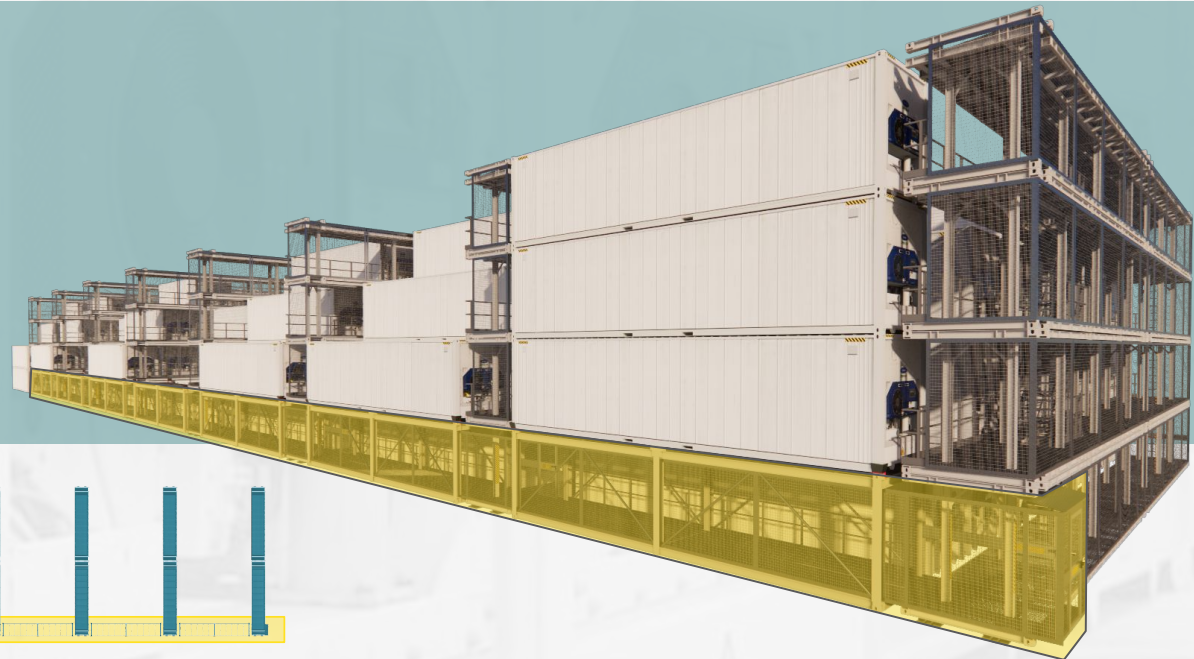
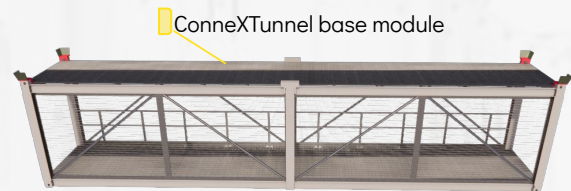
**ConneXTUNNEL** -> Safety tunnel module intended for the transit of operators to move from one RACK to another. This too can be handled using port lifting equipment.



# ConneXTUNNEL

## Advantages

- Enhanced safety
- Increased storage capacity (without requiring additional land use)
- Possible integrated access management and video surveillance systems.



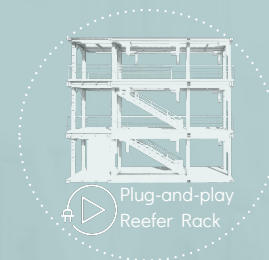




## Products Suite

### SMART\_rfRACK™ Native Advantages

- Solar panels, access control, safety ladders, Safety tunnel (ConneXTunnel) access doors, side safety net are all add-ons to the modules and could be **added** at the customer's request **during assembly at the factory** .



Middle East terminal reefer area extension, under negotiation



## Products Suite

SMART\_rfRACK™ Native Advantages



- The metal structure of the modules that make up the SRR will be made of **top-quality materials** , and their finish and galvanization will comply with the relevant European standards and regulations.



Reefer block in Pacific area, under negotiation

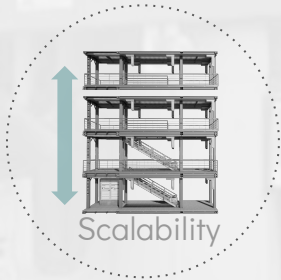




## Products Suite

### SMART\_rfRACK™ Native Advantages

- if it becomes necessary in the future to **extend the capacity of the SRR** by one section, we simply disconnect and remove the top section, add the new module, and then reattach the module equipped with the roof.







## What we offer

### Highlights



Operators  
safety



Certain  
timing



Optimized  
consumption



Standardised  
communication



Digital Twins  
Ready



Emergency  
auto expulsion



Secured  
walkways

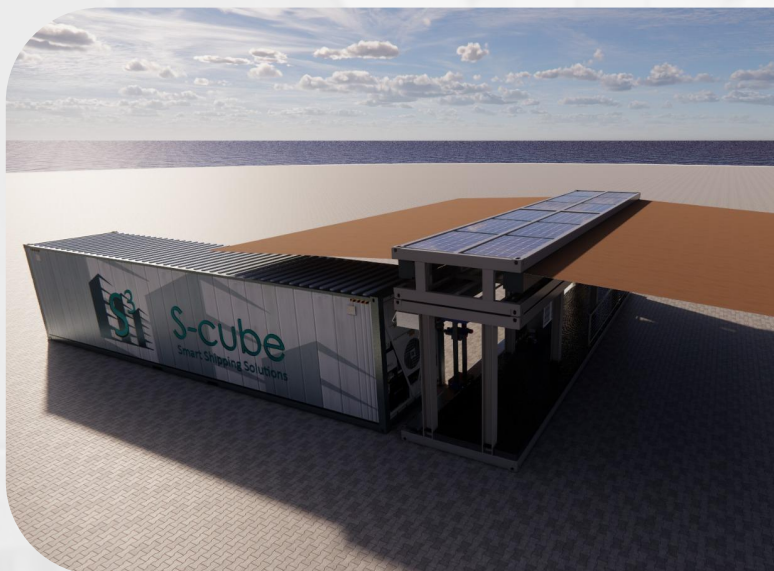


Predictive  
maintenance  
Ready



## Solar HAT

Energy from the SUN



Maximize energy savings by shielding the reefer area and simultaneously producing part of the energy used for secondary services.

In collaboration with



Concept which will be  
prototyped during 2026





## Our Partners and Collaborations

International

SCAME

Italian  
Partners

StarTech  
TRIESTE



ICOM  
ADVANCED MECHANICAL SOLUTIONS  
(SINCE 1977)

ALFASISTEMI  
AUTOMAZIONE

CAMOZZI

TAU LOGIC

Gemino



Institutional  
Partners



UNIVERSITÀ  
DEGLI STUDI  
DI CAGLIARI



Università  
di Genova



UNIVERSITÀ DEGLI STUDI DI NAPOLI  
FEDERICO II

cdp

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Industrial Partners



International  
Partners

IDENTEC  
SOLUTIONS



CROUZET

International  
Memberships



UNI

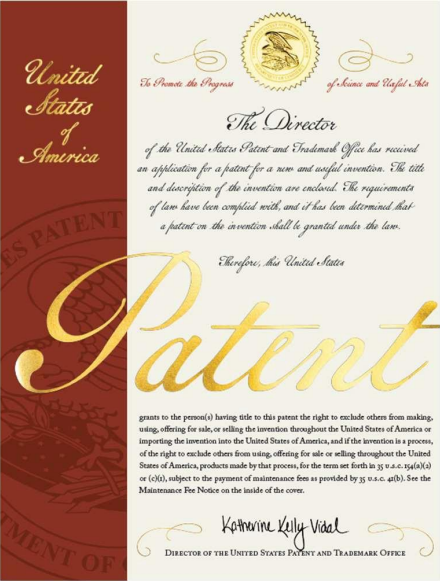


TIC 4.0





# Patents



|                                 |                                                                                                                                               |        |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------|
| ARM 121<br>CART 121<br>CART 12n | Released on 24/08/2020, PCT in 42 countries including Europe, published WO 28/11/2019, AE, AU, CA, CN, EG, EP, HK, IN, JP, KR, SA, SG, TH, US | ARMS   |
| Smart Plug                      | National released 06/11/2022, PCT filed                                                                                                       | ARMS   |
| PlugBox                         | Released on 06/11/2022, PCT filed                                                                                                             | ARMS   |
| Connextainer                    | Released on 12/2020, actually granted in exclusive license to ARMS Srl                                                                        | S-CUBE |
| E-Plug                          | Request filed on 06/2024, is currently in the hands of S-CUBE, in the development phase                                                       | S-CUBE |



FONDAZIONE ITALIA USA®



It was a real honor to receive the America Innovation 2025 award at the Chamber of Deputies in Rome, a national recognition that the Italy-USA Foundation awards only to the best innovative Italian startups and SMEs.

And our efforts in 2025 led us to a second, rare nomination for 2026, bringing us into an exclusive circle of international recognition.





## Contact Us



+39 0187/1392906

+39 010/0926351

+39 335/1290742



[fulvio.pellegrotti@s-cube.it](mailto:fulvio.pellegrotti@s-cube.it)

[fulvio.pellegrotti@arms3.it](mailto:fulvio.pellegrotti@arms3.it)



[www.s-cube.it](http://www.s-cube.it)

[www.arms3.it](http://www.arms3.it)

### *Registered Office:*

**S-CUBE** - Viale A. Diaz 29 – 09125 Cagliari (Italy)

**ARMS** - Via XX Settembre 33/10 – 16121 Genova (Italy)

### *Operative Office:*

**S-CUBE** - Via Parma, 23a – 19125 La Spezia (Italy)

**ARMS** - Via Greto di Cornigliano 6r – 16152 Genova (Italy)

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**SCUBE GLOBAL HOLDINGS LTD**

UAE representative:

**Pradeep Luthria** (CEO)



[pradeep.luthria@s-cube.it](mailto:pradeep.luthria@s-cube.it)

