



volta ION
Lifting your Future



volta ION

volta ION Corp., established in September 2018 and based in Miami, Florida, is an innovative company specializing in the development of rechargeable truck jacks.

Their flagship product, the VOLTA ion jack, is the first electric rechargeable truck jack that utilizes renewable energy and biodegradable lubrication, aiming to minimize carbon footprints in the automotive service industry.

With it's launch in Europe, it has become a multinational company. The future of the automotive service industry is its ability to communicate through the cloud. With more jacks coming out in the future.

AUTOMOTIVE SERVICE EQUIPMENT



First Product

volta ION

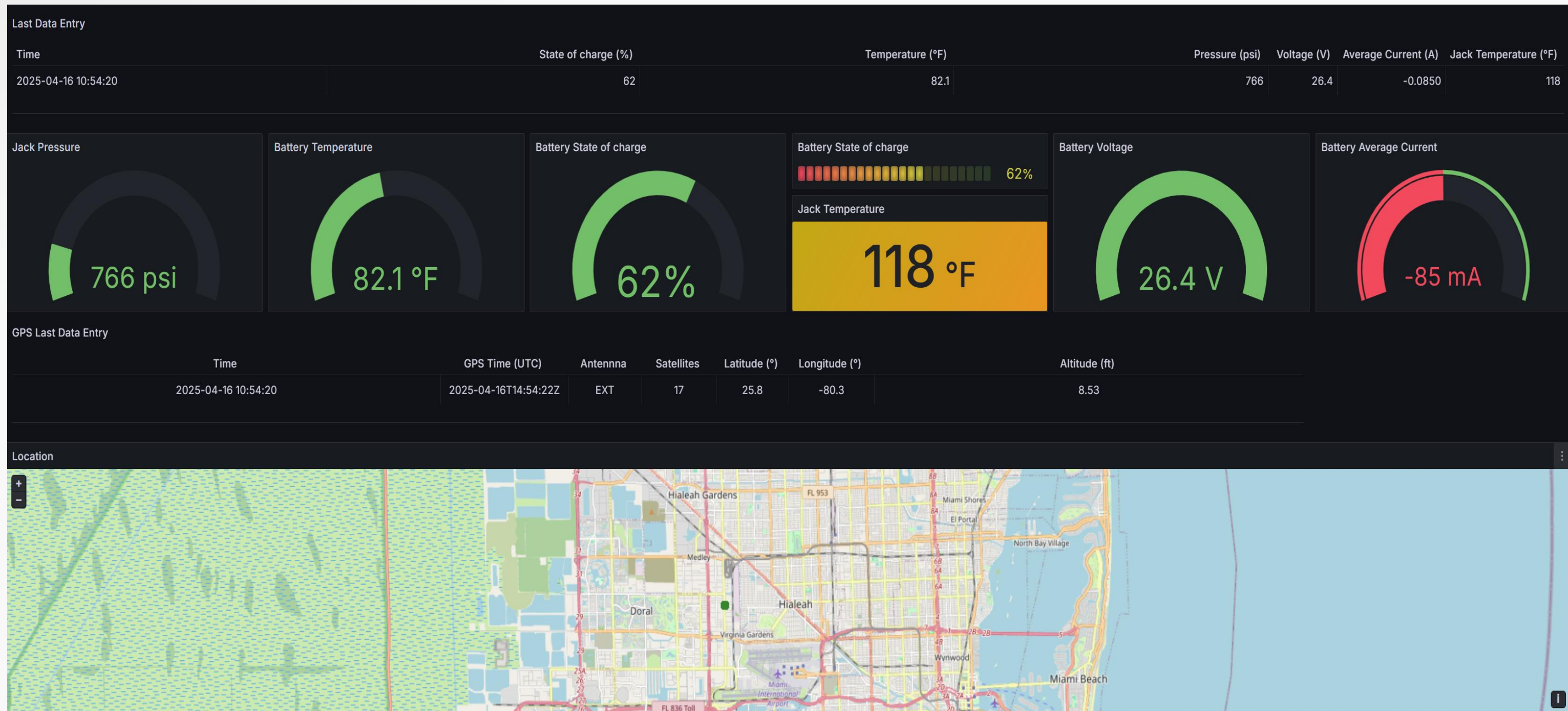
Rechargeable
Battery
Magnetic Connector
Cloud Connectivity
Pressure Sensor
Remote Control
GPS
Hydraulic Lock
Electric Handle.



Cloud Dashboard

volta ION
live

Pressure
Battery Temperature
State of Charge
Battery and Jack Temperature
GPS Location Live

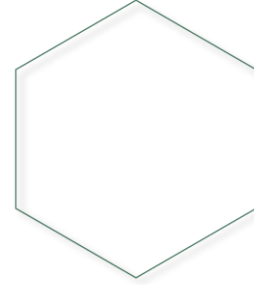


Pressure
Voltage
Temperature
Average Current
Location History
GPS Satellites

Cloud Dashboard

volta ION
timeline





No Compressor Needed No Air Hoses

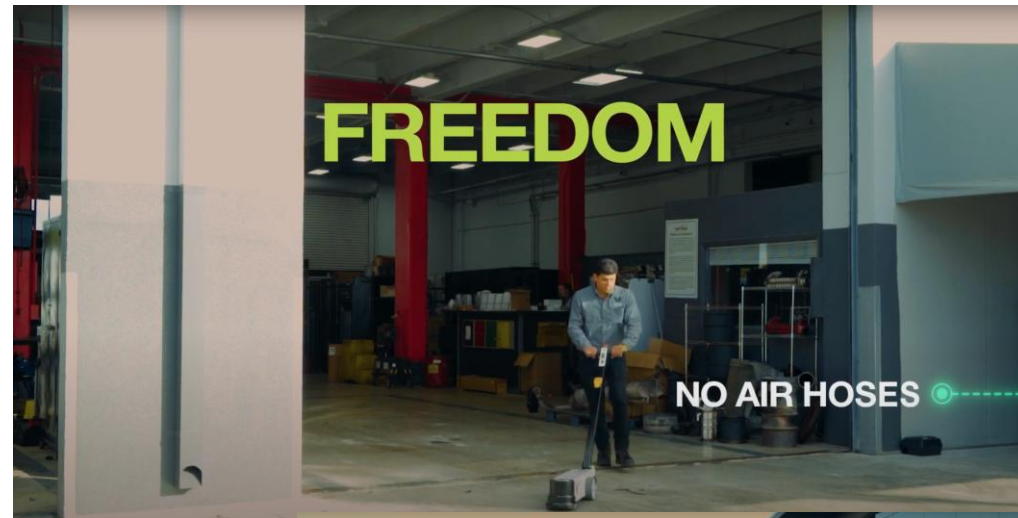
Eliminate tripping hazards as there are no air hoses. **Minimize Workers Comp issues.**

Take the jack anywhere, **IN or OUTSIDE** the shop.

Water Resistant, works under rain.

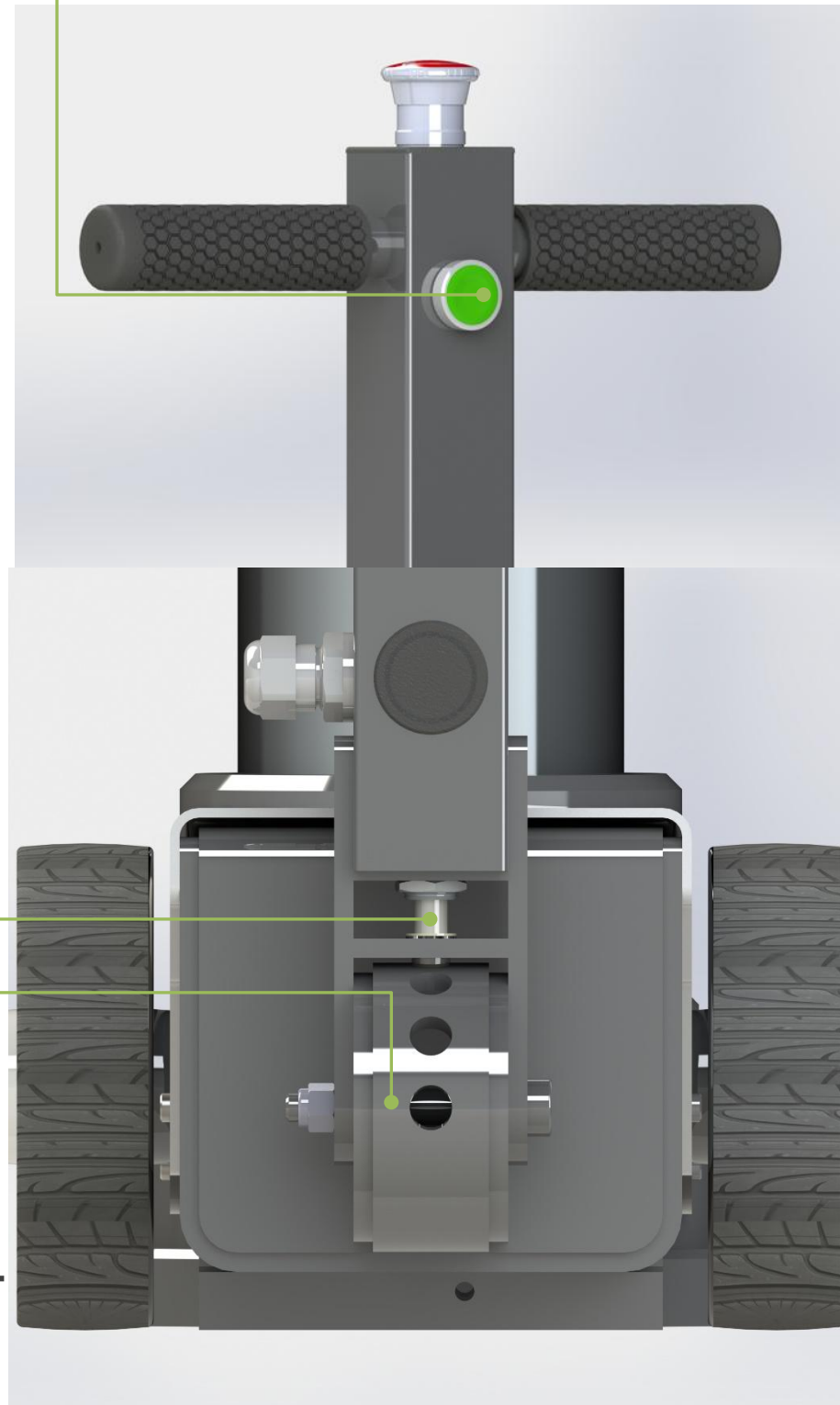
Lift multiple vehicles on jack stands without having to reconnect the jack while switching between bays.

Reduce electric costs! No Compressor needed.





ADJUSTABLE HANDLE



**PUSH-BUTTON
HANDLE RELEASE**
Ergonomic.
Simple.
Safe.
Up to 5 Locking Positions.

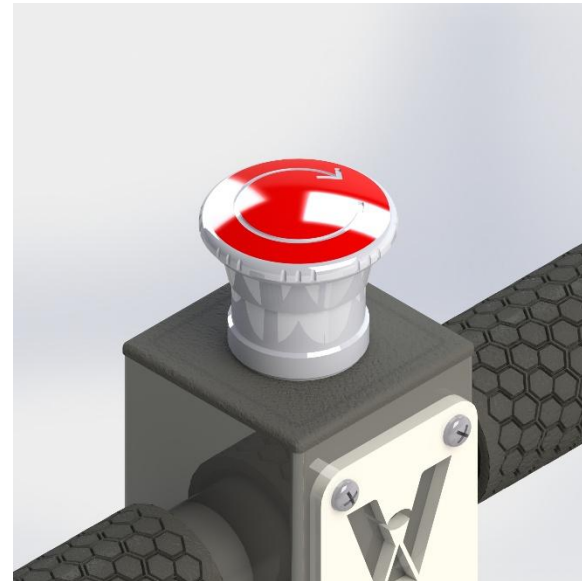
Electric Handle Locking Position





Multifunctional Emergency Stop

- Lock-Out
- Power OFF

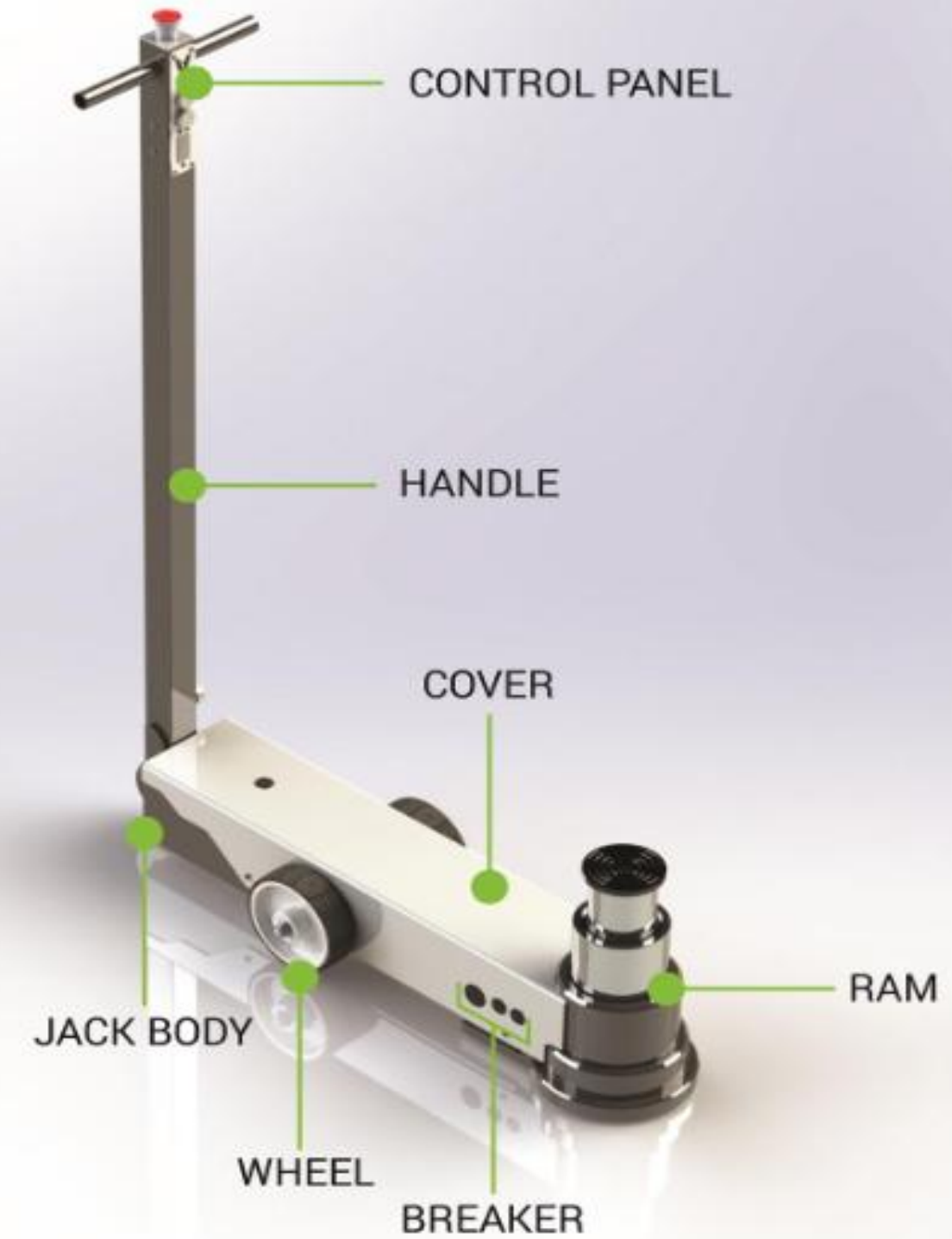


Cylinder UP Button

Cylinder DOWN Button

Battery Status

Smart and Simple Design.



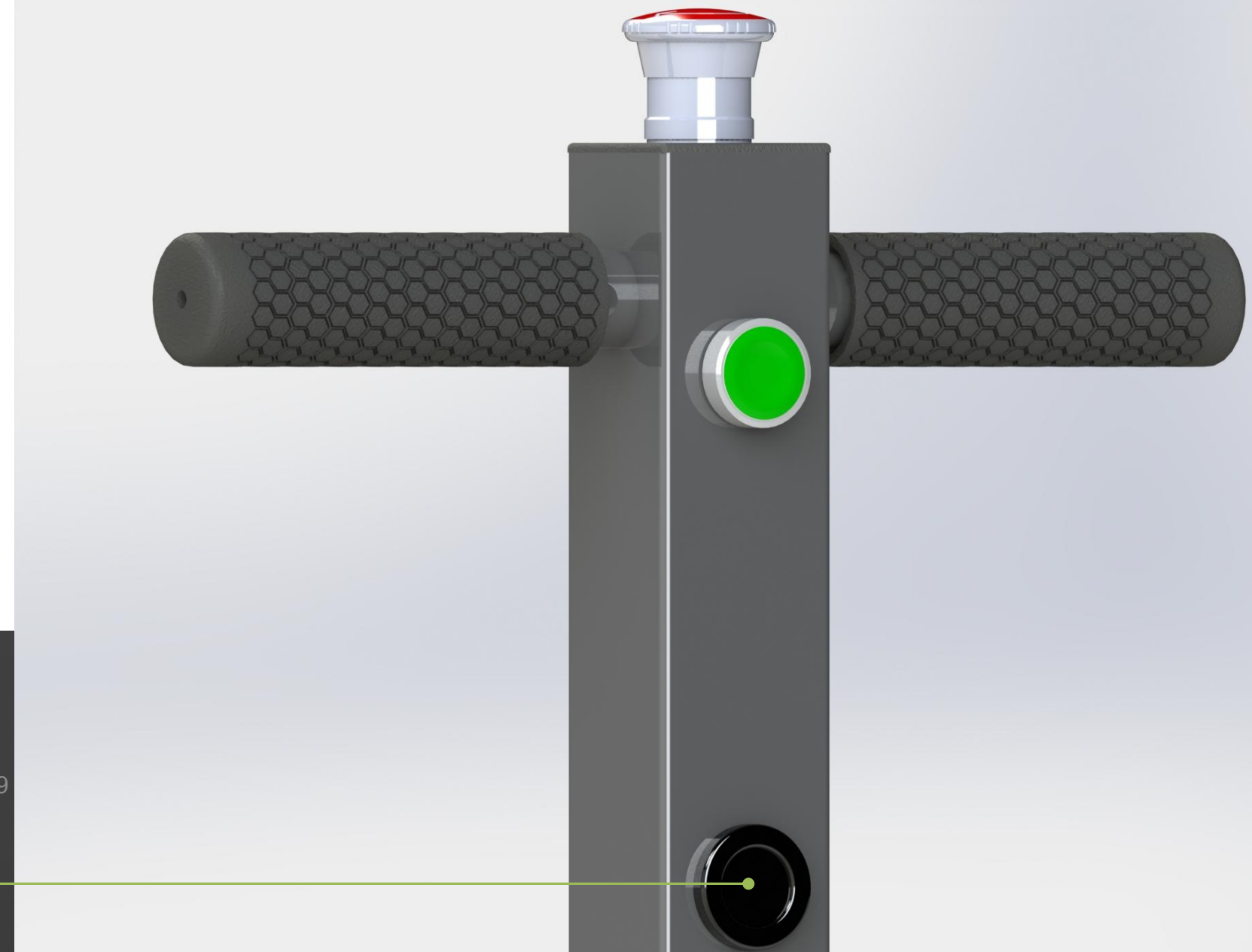
Intelligent and Safe Charging

MAGNETIC CHARGING PORT

- Prevents damage to the connector
- Easy to use
- Simple.
- Safe

Our Magnetic Connector Technology is compounded with integral magnets (blue) in the Power Plug, as well as in the Power Connector. When the two come into contact they become energized and allow for rapid charging.

Thus, the VOLTA ion charging System is 100% short-circuit-proof.



Remote Control

IMPROVING EFFICIENCY AND SAFETY IN THE SHOP

Safety is a big concern to us; it is part of our essence. We put great effort into making our products as safe as possible and to make sure they meet the highest possible safety standards, and we have the certificates to back that claim up.

Our products are not only safe, but they are also robust and can take a beating. We know that our remote controls get thrown around, dropped, run over, get wet – and that is all fine, we had all that in mind when designing the units. They are meant for long term usage.

Why remote control?

The wireless remote control is a safe, convenient and centric system for controlling the jack. It allows freedom of movement for the technician and have a better view of the vehicle they are trying to lift. It maintains the operator at a safe distance while lifting the vehicle.

Safety

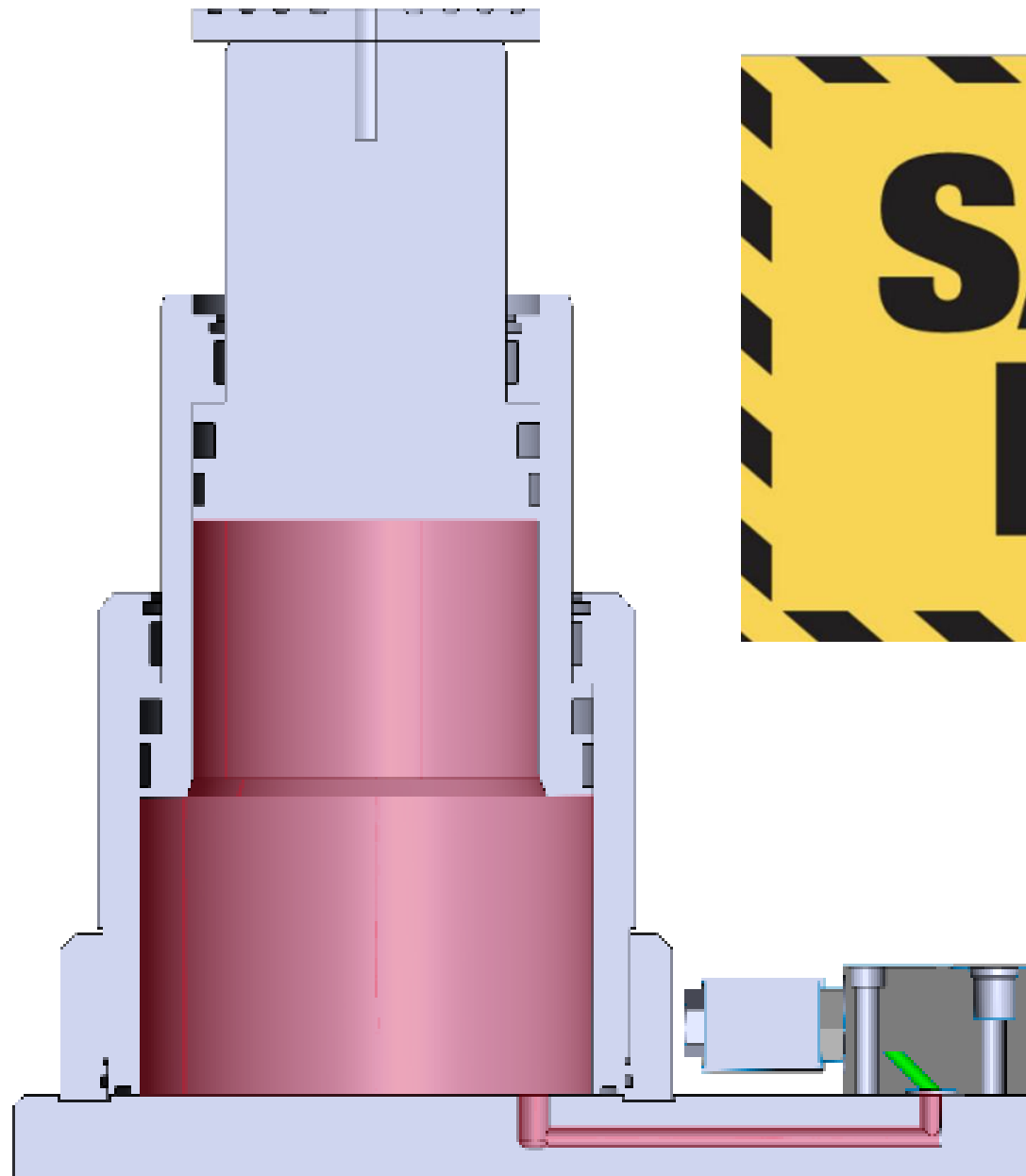
They are set to operate in continuous mode, have transmitters send repeated “stay alive pulses”, similar to a heartbeat or ping to the receiver, prompting dedicated safety relay(s) to drop if the receiver loses “sight” of the transmitter’s stay alive signal (out of range, dead battery, broken transmitter, etc.).



SAFETY FIRST!

The electro-mechanical check valve prevents the hydraulic cylinder from retracting unless the operator presses the hydraulic cylinder.

The hydraulic liquid is mechanically trapped within the system. In addition to the pump and the magnetic motor assisting, there is no other jack in the world with this level of redundancy in safety than the VOLTA ion jack.



Rechargeable Battery – LifePO4

LifePO4 Batteries

Our Lithium batteries are **100% safe & reliable**. Our signature chemistry, Lithium Iron Phosphate (LiFePO4), **does not contain rare earth elements** (like Cobalt) or heavy metals, is non-toxic, including no lead or acid, is non-corrosive, does not off gas, requires no watering or maintenance, can be placed in any orientation, and unlike other lithium batteries **will not explode or catch fire**.

In addition, each Lithium battery is protected from overheating, over charging, and short circuiting, by a battery management system (BMS) microchip that also extends the lifespan and is contained within the jack (although enough water can conduct electricity between the terminals, so don't submerge the battery). For best performance & reliability we recommend using a VOLTA Charger 24.

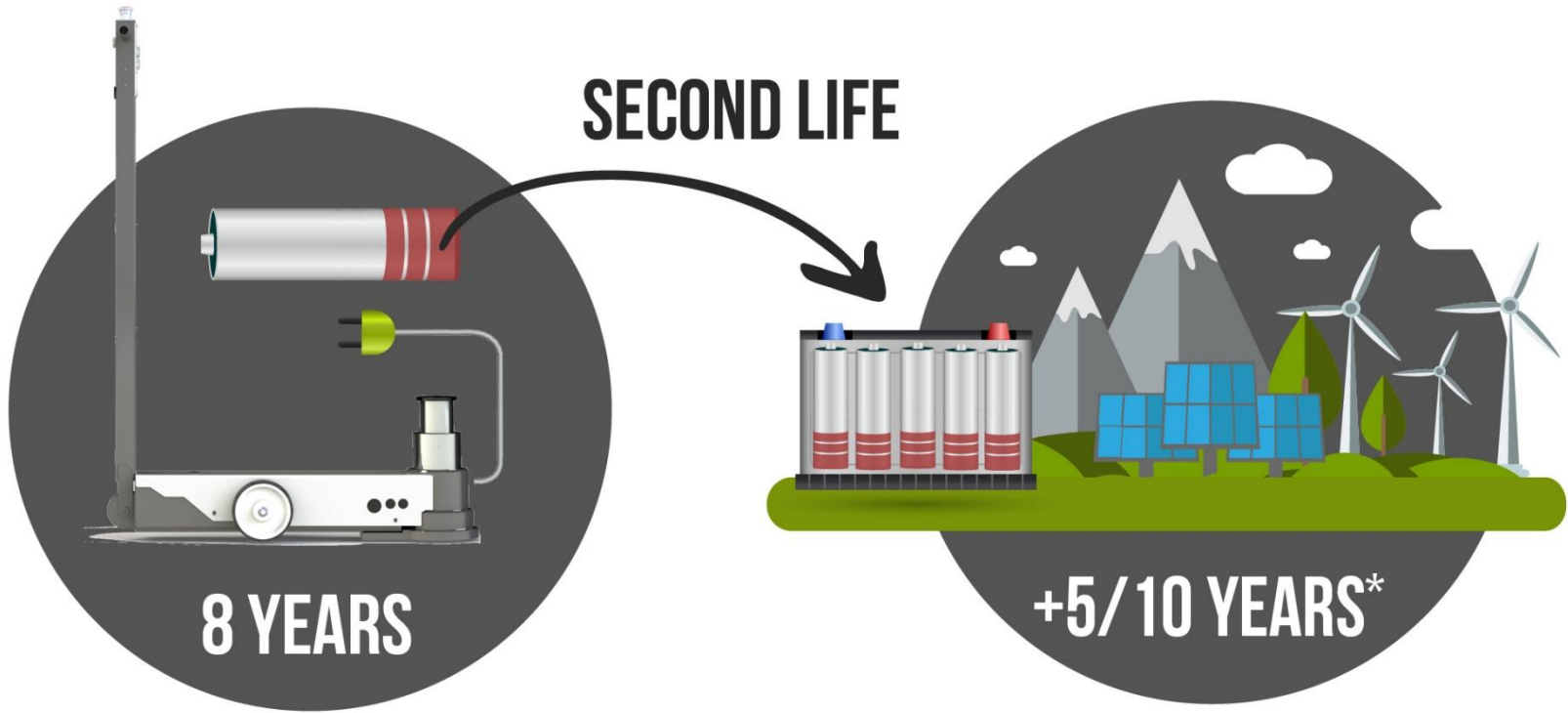
Recycling - Second Life

At VOLTA ion, we are all about increasing your productivity while improving the eco system and minimizing the carbon footprint.

Life expectancy of our battery packs are about 8 years. When the time comes to recycle these battery packs. The start a second life as a storage system for clean electricity.

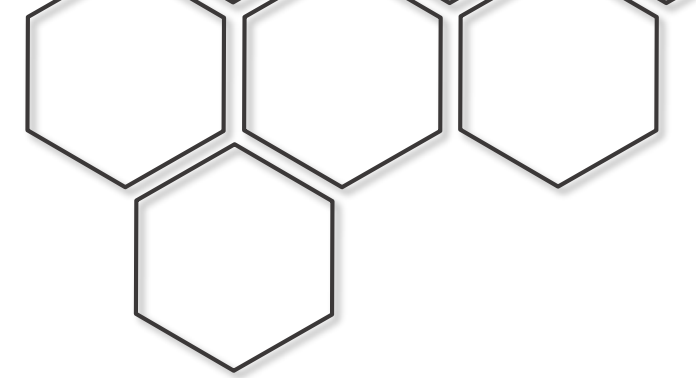
That's 18 years of clean energy!

A **SECOND LIFE** for VOLTAion jack **BATTERIES** can go up to **18 years** of clean renewable energy.



*Depending on the second life application



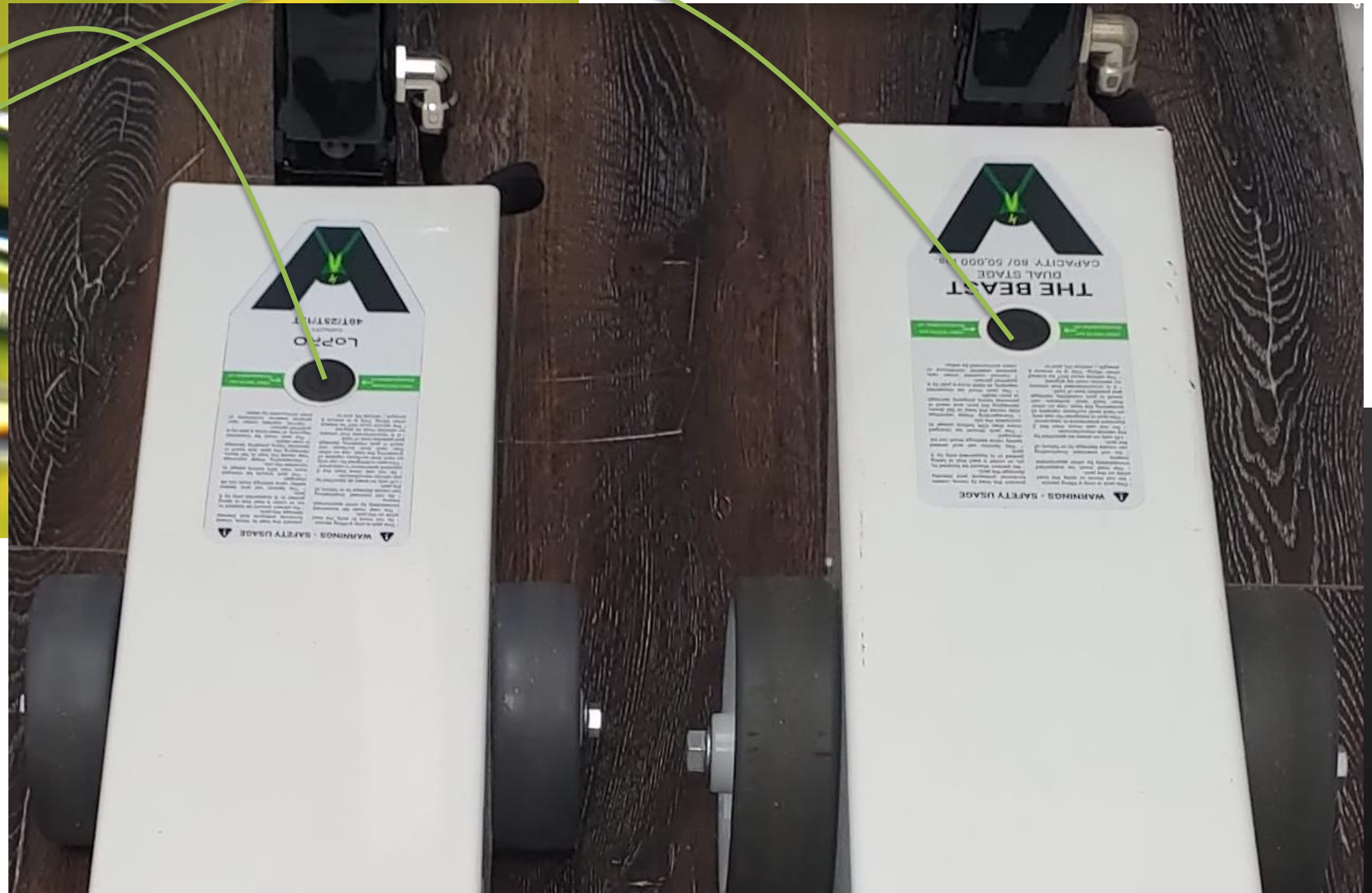


Biodegradable Oil



We keep our products as environmentally friendly as possible without sacrificing performance. It's all about performance!

Vegetable oils are biodegradable, generally less toxic, renewable and reduce dependency on imported petroleum oils.



Everything in our jacks is made from the highest quality materials, including the wheels, featuring:

1. Heavy Nylon Center: impact-resistant, manufactured to achieve optimum mechanical properties for weights of more than 1,000 lbs!
2. High-quality thermoplastic polyurethane tread: high operational comfort, low-noise operation, low rolling, and swiveling resistance, good floor preservation, very high abrasion resistance.
3. The polyurethane tread is precisely injected and chemically bonded for an inseparable connection to the wheel center!
4. **Less Noise Pollution in the shop.**



QUIET FLOOR PROTECTION





Making Additional Profits While Saving the Planet

VOLTA ion's key advantage compared with any other jack in the industry is the outstanding difference in operating time.

- No need to connect a pneumatic hose.
- Raise speed is without competition.
- Furthermore, we had Ergonomics in mind, integrating the control and with the remote control, minimizing the fatigue of the technician.
- You will gain a significant level of productivity that will increase your profits and revenues.
- Minimize Workers Comp injuries

TIME SAVINGS:

Time Savings Per Lift
2 to 5 Minutes

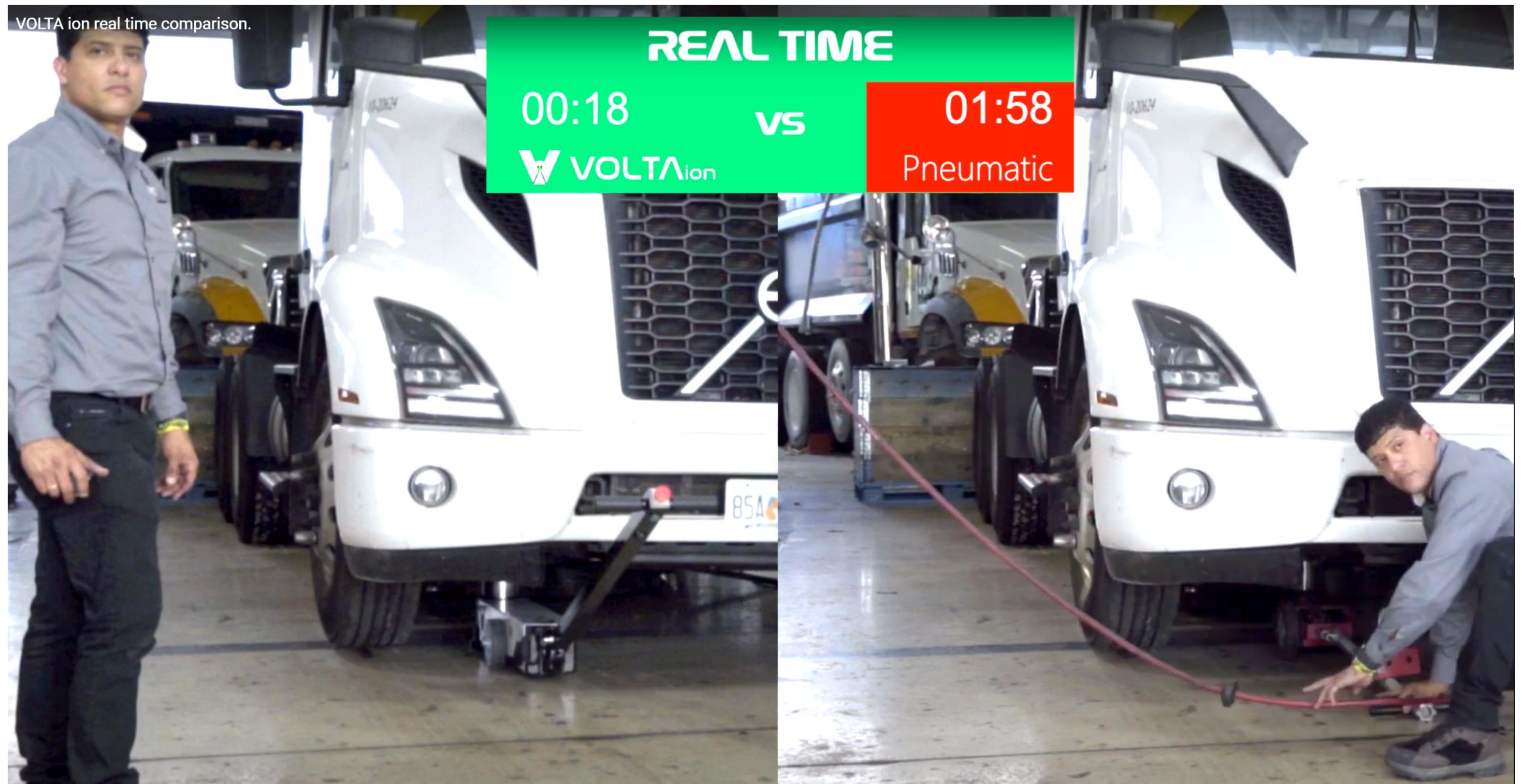
Lifts Per Day
30

Time Saved Per Day
1 hour

Shop Hourly Rate
\$160

Monthly Increased Revenue per month
\$3200

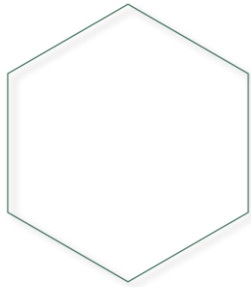
Additional ANNUAL Revenue in Savings while
PROTECTING EARTH
\$38,400



- VOLTA ion jacks are proudly manufactured in the USA
- Components are carefully selected from American suppliers
- American steel & labor



Benefits

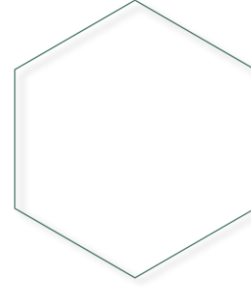


- No Air Lines
- No Tripping Hazards
- No Replacing Airlines/Hoses
- No Need for a Compressor
- Mobile, freedom to use it in and out of the shop
- Better Cold Weather Performance
- Safety Check Valve that prevents the cylinder from lowering.
- Made in the USA
- 98.5% Recyclable
- Renewable Energy
- Biodegradable Oil
- Better Ergonomics
- Increased Performance
- Less noise contamination
- Fast ROI

BETTER AND CLEANER FOR THE ENVIRONMENT



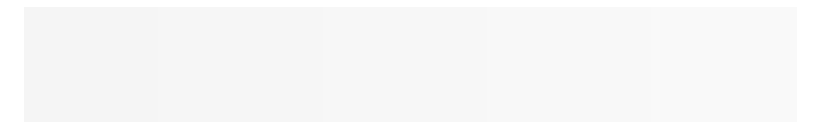
Video Library



[VOLTA ion Intro Video](#) (click link)

[Real Time Comparison Pneumatic vs Electric](#) (click link)

[Gravity Down](#) (click link)



Customers

We already have agreements with multistate and multinational clients.

NEXTRAN TRUCK CENTERS (MACK Truck Dealer)



SWISSPORT Large Multinational GSE (Airport Operations)



Customers

We already have agreements with multistate and multinational clients.

WASTE MANAGEMENT (Garbage Collection Company)



WALMART (Fleet)



Product Range

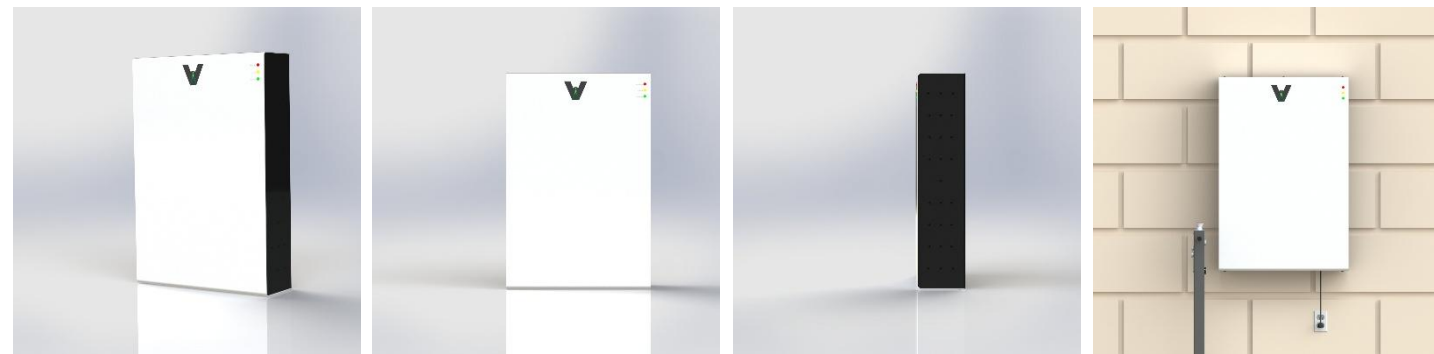
○ Trucks and Buses



○ Agricultural Vehicles



○ Volta Grid



○ Airplanes



○ Mine Trucks (In development)



○ Product Features



NO AIR NEEDED



RECHARGEABLE LITHIUM
BATTERY



ADJUSTABLE HANDLE



MAGNETIC CHARGING PORT



CLEAN ENERGY



WIRELESS

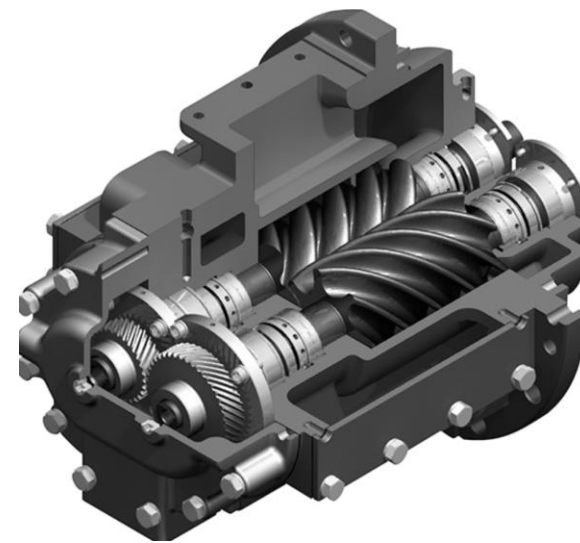
What Comes Next volta ION



Electric Jack Stand



**Portable Jack
DUTTI**



**Rechargeable
Compressor**



**Rechargeable
Torque Gun**

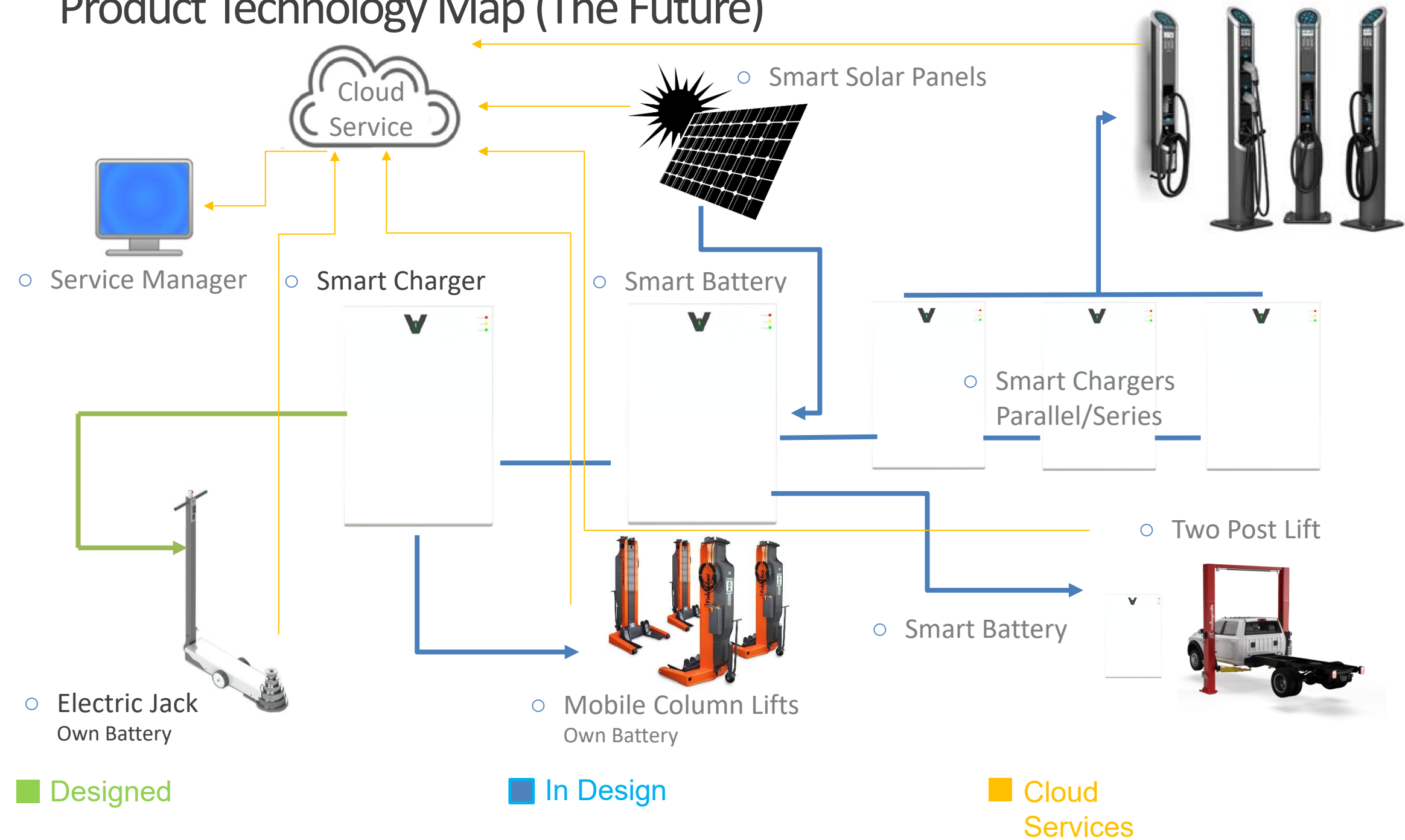


**Rechargeable
Impact Wrench**

The Future

volta ION

Product Technology Map (The Future)





Clients

volta ION

Walmart
Waste Management
Waste Connection
Mack Trucks
Volvo Trucks
Multiple Fire Departments
Multiple Transit Authorities
PENSKE
Ryder



Market Opportunity

North America is expected to lead the Garage Equipment (CGAR) market during the forecast period.

Future Market Insights (FMI), states that the sales in the global portable **wheel jack market are anticipated to surpass US\$ 6.8 Bn by 2029**, expanding at 3.3% CAGR over the forecast period 2022-2029.

* 2014-2021 Portable Wheel Jack Market Outlook In Comparison To 2022-2029 Growth Forecast

The global portable wheel jack market totaled US\$ 5.2 Bn in 2021, exhibiting growth at a CAGR of 2.5% between 2014 and 2021, states FMI. Increasing railway and airplane fleet and rapidly expanding aerospace industry in the U.S., China, the U.K., and India are favoring the growth in the market.

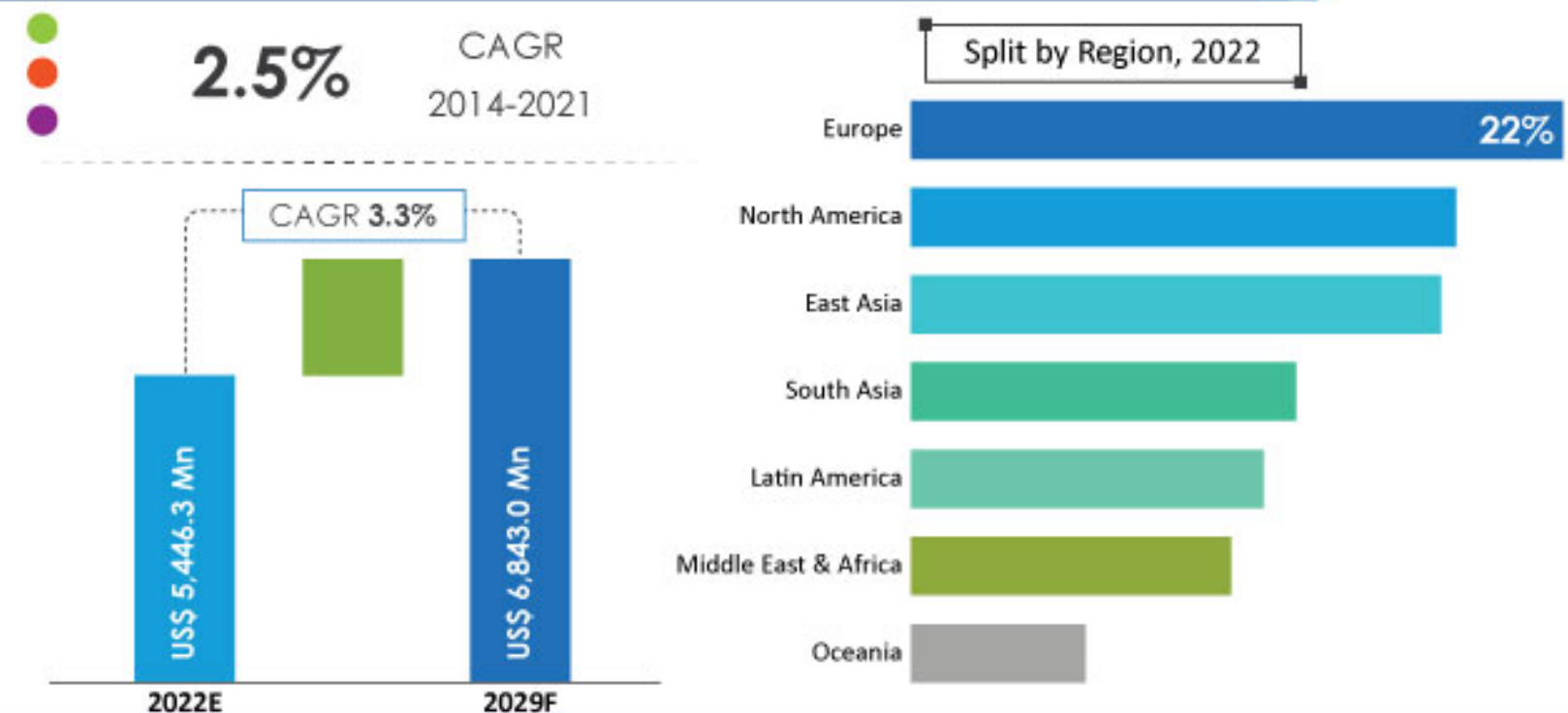
Portable jacks are mobile mechanical lifting devices used to lift heavy loads, provide support, and apply great force. They work as a force multiplier assisting the customer to lift heavy objects with ease.

Driven by this, portable jacks are extensively gaining popularity in garages, automotive paint shops, and car service stations. This is estimated to assist the global portable wheel jack market to expand at 3.3% CAGR during the forecast period from 2022 to 2029.

Customer preference towards adopting hydraulic wheel jacks owing to their favorable characteristics such as ease of use, compact size, cost-effectiveness, and high weight-lifting capacity is accelerating the sales in the market.

The automotive industry in the country is inclined towards innovation, technology, and development of high-performance and fuel-efficient vehicles. Local, State, Federal Agencies and Government are being forced to purchase products made in the USA and with renewable energy.

Global Portable Wheel Jack Market Analysis, 2022-2029



Source: Future Market Insights

Note: Market shares are not depicted as per the actual scale and are only for illustration purposes.

Country-Wise Analysis

Why is the U.S. Considered as a Highly Lucrative Portable Wheel Jack Market? “Burgeoning Demand for Passenger Cars to Favor Scissor Jack Sales in the U.S.”

As per FMI, the U.S. is anticipated to dominate the market in North America, assisting the region to account for 18.4% of the overall sales in 2022.

Increasing sales of automotive vehicles in the U.S. is the primary factor favoring the growth in the country. According to a report by the International Energy Agency, approximately 17 million cars were reported to be sold across the U.S. in 2019.

The automotive industry in the country is inclined towards innovation, technology, and development of high-performance and fuel-efficient vehicles. Local, State, Federal Agencies and Government are being forced to purchase products made in the USA and with renewable energy.

Companies Factory in USA

CNC Mill
CNC Lathe
CNC Laser Cutter
CNC Hydraulic Brake
CNC Tube Cutter
Fiber Laser Welder
Screw Compressor



Market Opportunity

Hyper Accelerated Expansion

Our primary market consists of truck dealers, mechanic shops, city, state and local and federal governments, military, aviation grasping with labor and the high demand of repairing used vehicles. The global hydraulic jack market is projected to grow from USD 5.1 billion in 2021 to USD 6.8 billion by 2029, with a compound annual growth rate (CAGR) of 3.3%.

Automation and electrification is essential for mechanic shops, as you can see some air tools going electric, while the fleet is also going electric.

Volta ION's multiple products offer a collaborative mesh system capable of performing cloud connectivity will give tools for the future perfectly aligning with the rising demand for automated solutions.

Projected Industry Growth

2021
USD 5.1
Billion

2029
USD 6.8
Billion

Executive Team

Vision and Leadership



Chris Rourk

CEO/CPDO



Hector Cabrera

CTO - Production



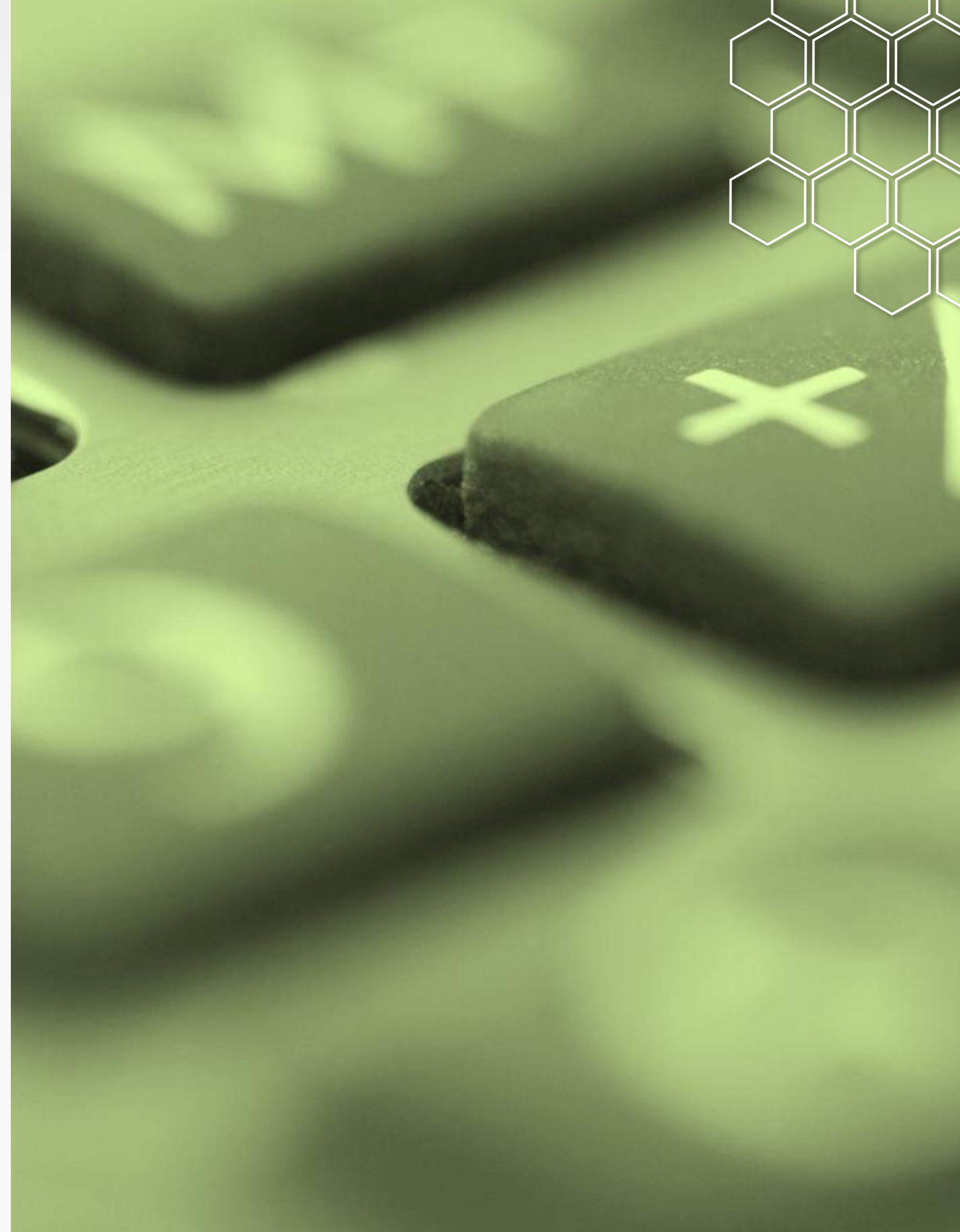
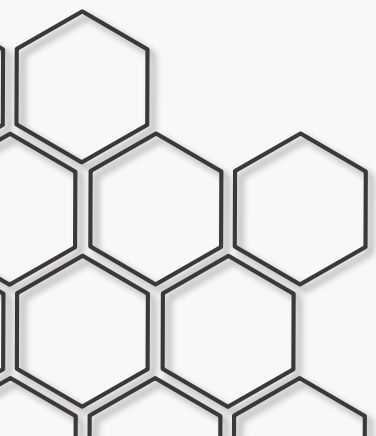
Sebastian Acosta

COO – Engineering Manager



Tijana Popovic

CFO Interim / Grants



Engineering Team

Experience and Dedication



Kleber Balladares

Sr. Mechanical Engineer



Daniella Toral

Sr. Mechatronics Engineer



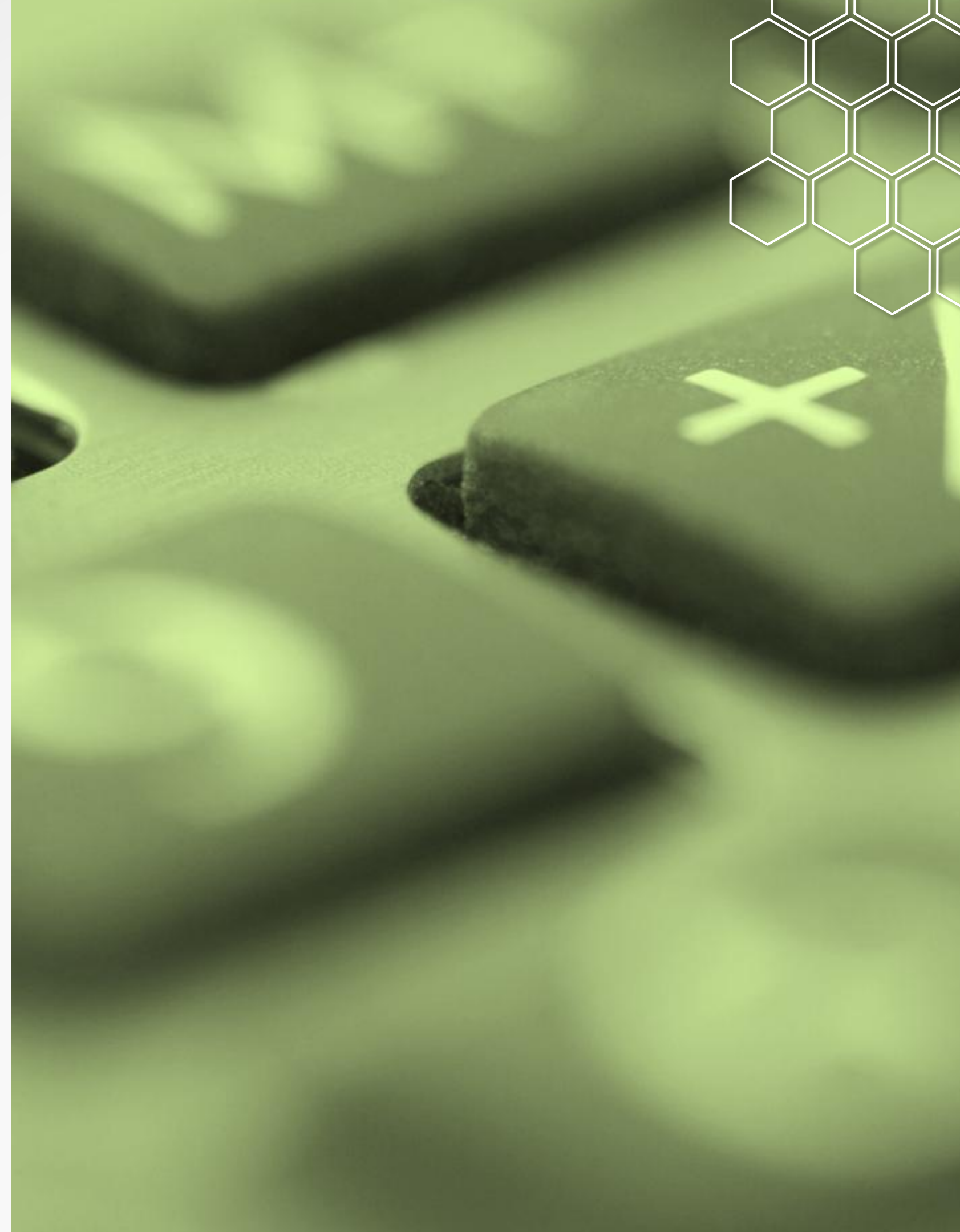
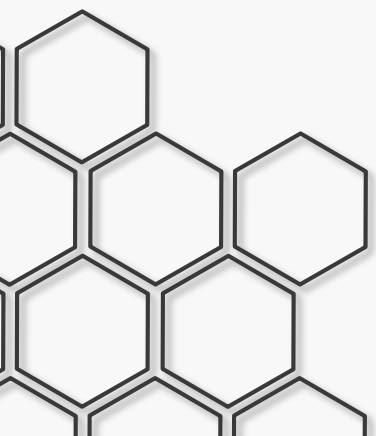
Rene Andrade

CAM/CAD Lead Designer



Carla Merchan

Iprogrammer / IoT



Future Manufacturing Facilities

2024 USA



We are targeting one of the oldest jack manufacturers in Europe due to its established customer base and local manufacturing infrastructure. This strategic move will allow us to produce jacks and other equipment locally, while also creating jobs for local workers and mechatronic engineers. These engineers will form a dedicated service team to support and maintain all volta ION.

2026 Europe



2026 South America



We are targeting Dubai for its strategic geographic location, well-established financial infrastructure, and forward-thinking industrial landscape. Our connection to the UAE dates back to our founder's father, who was an engineer for McDermott Inc., involved in the manufacturing of marine oil platforms in the Persian Gulf. This strategic expansion will enable us to produce jacks and other advanced machinery locally, while also generating employment for local workers and mechatronic engineers. These engineers will form a dedicated service team to support and maintain all volta ION.

2028 Asia





Interviews

I've been interviewed by two newspapers, USA Today and I'm in line for a TV interview in the next couple of months (Fox Business News and Bloomberg TV)

'Almost impossible': Latinos open businesses faster than any other group but face hurdles



Chris Rourk struggled initially to get financing for his company, Volta Ion, which makes jacks that use clean energy and are wireless *Judy Reich, For USA TODAY*



Published 7:01 a.m. ET Jan. 14, 2022 | Updated 3:01 p.m. ET Jan. 17, 2022



After years working for other firms, Chris Rourk decided to start a business of his own producing wireless jacks. But when the Latino entrepreneur approached banks for a loan, he was turned away.



Owner: Chris Rourk

<https://www.volta-ion.com>

Mentor: Mark Aleda

Location: Miami, FL

As a passionate mechanical engineer with a degree in business and love for the arts, Chris has tremendous vision. For decades he worked for corporations in the automotive service industry, but in 2021, he was ready to launch his own business that could push the industry into the future.

"I want to build machines that help humans -- making service-sector jobs easier with fewer injuries. I've watched the automobile industry evolve and go green, but not the equipment used to service those machines. Our work [at Volta Ion] will change the norm in the market for the better." (Chris)

Chris Rourk, founder of Volta Ion in sunny Miami, thought he had the pieces in place to launch his business in 2020. But COVID brought chaos. His investors backed out and everything stalled. Fortunately, Mark Aleda, a banking expert, served as Chris's SCORE mentor. Mark spent time working with Chris via Zoom to figure out next steps, business plans, and projections. Mark was honest and direct, and helped Chris understand the banking industry while encouraging him to use his new-found time to perfect his engineering. As a result, Volta Ion's first-ever wireless/cordless heavy-duty jack became a masterpiece; with an innovative, sleek design and engineering that is truly ground-breaking.

Chris Rourk has had a great and successful career in everything he has ventured. One example is Ravaglioli S.p.A. an Italian Manufacturer of Automotive Service Equipment. In 2006 he was invited to participate in the innovation and renovation of all the equipment they manufactured. Ravaglioli was then purchased by Dover Corporation due to the innovations in design.

DOVER CORPORATION: DOVER ACQUIRES RAVAGLIOLI S.P.A. GROUP

Dover Acquires Ravaglioli S.p.A. Group

Acquisition expands Vehicle Service Group's product breadth and served markets

Downers Grove, IL, October 3, 2016 - Dover (NYSE: DOV) today announced that it has acquired Ravaglioli S.p.A. Group ("Ravaglioli"), a global automotive service equipment manufacturer, for a purchase price of EUR 245 million (approximately USD \$274 million). Ravaglioli will become part of Dover's Vehicle Service Group ("VSG"), a business unit within its Engineered Systems segment.

Headquartered in Bologna, Italy, Ravaglioli is a leading manufacturer of automotive service equipment, including automotive lifts, tire and wheel service equipment and diagnostic equipment for cars, trucks, commercial vehicles and motorbikes. Founded in 1958, Ravaglioli's products, technology and customer base are highly complementary to VSG's. Together, VSG and Ravaglioli will offer a best-in-class suite of products to customers around the world.

"We are very pleased to welcome the highly respected Ravaglioli team to Dover," said Robert A. Livingston, President and Chief Executive Officer of Dover. "Their long-standing reputation for quality products and commitment to their customers is a perfect match with VSG. Ravaglioli's products will significantly broaden our capabilities and reach as we expand into attractive product adjacencies like tire and wheel equipment. We are also excited about the growth opportunities for our combined vehicle service business as we leverage sales channels and are able to cross sell multiple products to our global customer base."

Ravaglioli has manufacturing operations in Italy and more than 650 employees across the region. Annual revenue for Ravaglioli in 2016 is estimated to be approximately EUR 150 million (approximately USD \$165 million).



Ravaglioli S.p.A.
Società soggetta all'attività di direzione e coordinamento di S.A.M.I.R.O. S.r.l.
40037 Sasso Marconi - fraz. Pontecchio - Bologna / Italia - via 1° maggio, 3
c. s. Euro 6.240.000
tel. (+39) 051.67.81.511 fax (+39) 051.84.63.49
E-mail: rav@ravaglioli.com
<http://www.ravaglioli.com>

p.o. box 1690 - 40100 Bologna
fax +39 (051) 846349
REA 387288
codice fiscale e partita i.v.a. 01759471202
codice meccanografico Bo 044777

Azienda che opera secondo un Modello Organizzativo conforme D.Lgs. 231/2001



To whom it may concern:

Since 2004, I have maintained a close-business relationship with Mr. Chris Rourk. Throughout the years, I can confirm that Mr. Rourk has demonstrated utmost reliability and professionalism in his ventures with our company. He maintains a well-oiled and organized structure in which to operate, and has always made payments reliably, in full, and on time.

Chris Rourk was our first customer to place orders of Mobile Column Lifts for the USA market by the container load, thus making him our top purchaser of Mobile Column Lifts for the USA market throughout the years.

Dually, Chris Rourk has been both at times one of our largest customers and ally in the USA market. Additionally, he has assisted and worked closely with our engineering and service department, providing crucial feedback in recommendations for specific products for the USA market.

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Ravaglioli Spa
Alessandro Zennaro



volta ION
Lifting your Future

Chris Rourk
Chris.Rourk@volta-i.com