

# PRECISION FORWARDING

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## WELCOME

**Welcome to our July edition.**

## INDUSTRY

We are well and truly into the new financial year. We have been busy doing the usual EOFY tasks and also preparing for a strong year ahead. We would like to thank you, our customers for your business this past year and look forward to continuing and strengthening our partnership this year. If we exceed your expectations please tell your business associates and friends, we welcome referrals....thank you in advance.

I am excited to advise we are working on our new website which is long overdue...if you have any suggestions as to what you would like to see on our website we welcome your feedback. We will make an announcement once the new website is up and running.

Time Lapse Video of Port Operations

The Next Generation of Large Capacity Airships are Coming Soon

The Wolds Longest and Deepest Rail Freight Tunnel Opens

Alvin Choi from NAF Hong Kong / China will be visiting us from July 25 to 29 as he does annually. It is a great opportunity for our existing and potential clients to meet Alvin to discuss your China/Hong Kong shipping. If you are interested in arranging a meeting please call us to arrange a time.

## RECIPE OF THE MONTH

Healthy Chocolate Crackles

Wishing you all a great year ahead.

## IN THE MEDIA

Aussie duo showcase invention to Hollywood

Regards

Julianne Madden

## Industry

### Time-Lapse Video Shows Just How Beautifully Orchestrated Port Operations Really Are



California-based artist Alex Hallajian has spent the last seven months filming 24/7 at the Port of Long Beach to provide an interesting perspective of operations at the United States' second largest port. What resulted was a two and a half minute short film titled "The Art of Stevedore" showing just how beautifully orchestrated daily operations really are.

"The concept seems simple: pack consumer goods into containers, float them across the ocean, load them onto trucks and trains, and deliver across the country" explains Hallajian. "The process hasn't changed in hundreds of years except today we do it with stunning efficiency while maintaining safety and environmental cleanliness."

Seems simple, right?

Click [HERE](#) and see for yourself:-

**Europe's leading ultracapacitor manufacturer Skeleton Technologies will join French firm Flying Whales' in a partnership program to build a 60-tonne large capacity airship, or LCA60T, for the global transport market.**



The main advantage of the LCA60T will be its ability to transport heavy and oversized cargo of up to 60 tonnes either in its 75m-long hold or underslung, at speeds of 100 km/h, with a range of several thousand kilometers per day.

The helium-filled, rigid-structure airship will be capable of winching to pick up and unload cargo while hovering, at a fraction of the cost of a heavy-lift helicopter, and for much heavier loads. Without the need to make conventional take-offs and landings, energy consumption via its hybrid electric propulsion system will be low.

Skeleton Technologies will join the program to help design and build hybrid propulsion for the LCA60T's electric power systems. Average operational power is expected to be approximately 1.5 MW with the company's graphene-based ultracapacitors assisting to cover the additional 2 MW peaks for hovering, lifting and stabilisation in reasonable and turbulent environments.

Flying Whales CEO Sébastien Bougon said of the program: "A key advantage of the LCA60T is that it will not require an airport or any kind of runway to operate, opening up new markets across the world for industries that require heavy-lift or oversize cargo options, across terrain lacking in infrastructure.

"We're designing the LCA60T to transport logging timber from remote locations, but that also means being able to deliver large items like wind turbines or electricity pylons in one piece to the side of a mountain, for example. It could also move prefabricated houses or building modules across undeveloped terrain or transport large aircraft components from one supply chain location to the next.

"The airship's hybrid electric power propulsion delivers a minimal environmental footprint at a fraction of the cost of current solutions, if such solutions even exist. Our ultracapacitor technology driving the airships' electric power systems will ensure maneuverability and control, such as vertical take-off and landing ability, which will be vital for heavy-lift industrial applications."

"The large capacity airship programme is initially focused on addressing the specific industrial requirements for the timber industry in France, but it also has the potential to connect landlocked regions across the world to the global economy."

The program is part of the French Government's "Nouvelle France Industrielle" plans for future transport, with the country's forestry agency highlighting the need for LCA60T to extract timber cargo.

Last year Chinese Prime Minister Li Keqiang and French Prime Minister Manuel Valls oversaw the signing of a cooperation and investment framework agreement between Flying Whales and the China Aviation Industry General Aircraft (AVIC General) company, which is to become a Flying Whales significant shareholder.

Mr Bougon says that other potential applications could improve freight and logistics in remote areas in parts of Africa where business development is hindered by a lack of transport infrastructure, including shipments of humanitarian aid or other urgent supplies. For that purpose, Morocco will become the 'third parent country' of Flying Whales.

The international shareholding company is leading a consortium of about 30 companies and labs to cover the research and development, engineering, industrialisation and manufacturing phases of the programme.

Industrial production is expected to start in 2021.



## Longest and Deepest Rail Freight Tunnel Officially Open with Testing Underway



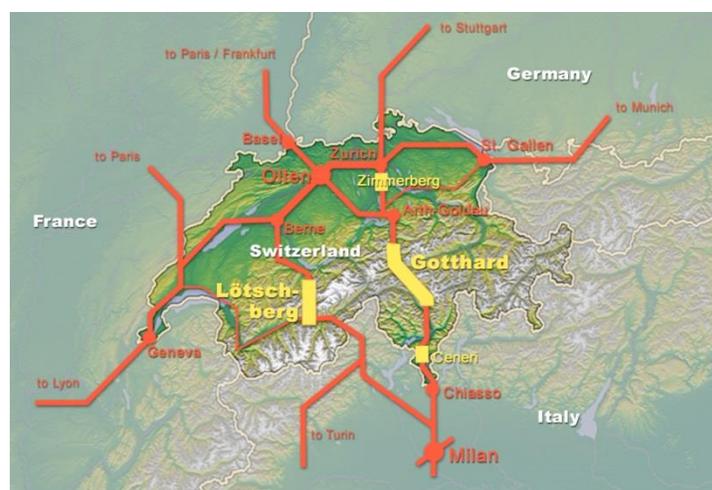
© Bloomberg via Getty Images

**SWITZERLAND –** After nearly two decades of construction, the world's longest and deepest rail tunnel has officially opened in Switzerland.

The 57 kilometre long Gotthard Base Tunnel which runs through the Alps, several hundreds of metres below existing tunnels, is part of a \$13 billion infrastructure project consisting of two major sections establish a route under the mountain range that divides northern and southern Europe. Usable by both high-speed rail and heavy freight trains. Once final testing ends, commercial services are expected to begin in December 2016, around 260 freight trains and 65 passenger trains will travel through the tunnel daily.

Known as the New Railway Link through the Alps (NRLA), which includes the Lötschberg Base Tunnel between the cantons of Bern and Valais and the under construction Ceneri Base Tunnel, scheduled to open late 2020, to the south.

At 57km in length the Gotthard Base Tunnel overtakes Japan's 53.85km Seikan Tunnel as the world's longest tunnel, and travels up to 2.3km below the surface of the mountains. To excavate the tunnel, plans of which were drawn up 68 years ago, a 410 metre long boring machine was used to excavate 28.2 million tonnes of rock. This results in a high-speed link through the Alps with a top speed of 250 km/h (160 mph) reducing travel time between Zurich and Milan from the current 4h00 to 2h30.



## Recipe of the Month

### Healthy Chocolate Crackle Bars



**These are just like the old fashioned chocolate crackle BUT healthier with a tonne less sugar and NONE of the damaging fats (copherol) of the original version.**

**They make a perfect treat for the kids lunch boxes or as an after dinner snack with a cuppa for the big kids.**

- 50gm coconut butter
- 50gm coconut oil
- 1 cup of almonds
- 1/2 cup sesame seeds (use sunflower as an option)
- 1 loose cup of dates pips removed
- 2 tbsp cacao powder
- 1/4 cup raw honey
- 1/4 cup tahini
- 2 cups of puffed brown rice, millet or quinoa
- 1 tsp vanilla
- good grind of salt
- 100gm dark chocolate to melt and pour over the top

Blitz coconut and nuts together until a thick paste is formed. Add everything but the puffs and combine then gently add the puffs. Press mixture into a lined tray and refrigerate until cold. You can even make individual ones in patty pans or a mini muffin tray. Top with melted chocolate and set then cut into bars and enjoy! Store them in the fridge for up to a few weeks, as if they will last that long, ha



An Aussie duo who established their innovative business via crowdfunding will be celebrating the Oscars in style this year, after their product was chosen for inclusion in the official Academy Awards gift bags.

Jesse Leeworthy and Jonathan Byrt came up with an idea to encourage people to avoid single-use plastic water bottles, which are energy-intensive to produce and often end up in landfill or polluting waterways.

“We were finding not only a frustration with single-use drink bottles from an environmental stance but we found it intriguing as to why all bottles were round. Bottles hadn’t changed shape in decades yet tablets, laptops and computer bags were all flat in their design. Round bottles just didn’t fit with our modern lives. So, we decided to flip the equation,” Mr Leeworthy said.

“To really break people’s habits around single-use drink bottles we had to offer something that was truly convenient, beautiful and sustainable in design.” The result is the memobottle™, which is a reusable flat water bottle which is designed to be the same size as A5 and A6 paper. The duo say that this design enables the bottle to sit alongside books and computers, making it more convenient to carry.

The memobottle™ was launched in August 2014 after an overwhelmingly successful crowdfunding campaign on Kickstarter, smashing their original target of \$15,000 to bring in \$261,148.

While the product is now sold in 70 countries, being included in each nominee's gift bags presents a new opportunity to raise awareness of both their brand and their environmental cause.

“Getting the memobottle™ in the hands of actors like Matt Damon and Leonardo DiCaprio is exciting for us on many levels” said Mr Byrt.

“These are people who are enormously passionate about environmental and social causes. Matt works tirelessly with his charity Water.org and Leo is doing incredible social and climate-related work with the Leonardo DiCaprio Foundation. They are using their vast influence to shed light on environmental issues that need addressing.”

“Our focus and aim has always been to inspire and create a more re-usable society. We are doing everything we can to spread the word by sharing memobottle™ and our environmental message with the world,” Mr Leeworthy added.

“If the Oscars generates increased awareness of our message then that is a positive for us and a win for the environment.”

Source: [www.mybusiness.com.au](http://www.mybusiness.com.au)

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