

TM

CLUSTER FOR LOGISTICS

LUXEMBOURG

ADDING VALUE IS THE KEY.

ActivityReport
2021



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EXECUTIVE SUMMARY

After a year where all sectors were hit by the COVID-19 pandemic, the year 2021 - although dominated by special sanitary measures - was one of strong activity. Due to a strong resilience and despite a volatile environment, with increasing vaccination, the economy and its global or regional supply chains were impacted by supply chain disruptions and capacity constraints. The 1H 2021 was strongly relying on digital events, while face-to-face events restarted in 2H 2021, when conditions allowed. The year 2021 also marked an increasing awareness of lack of truck drivers across the sector, pushed by the mobility package, highlighting their essential role of logistics. Luxembourg's dynamic economy and low country risk for supply chains continues to show strong resilience to external shocks after COVID-19 that was well handled, demonstrating a competitive position in Europe. (3th place in *FM Global resilience Index 2021*)

WHAT WERE SOME HIGHLIGHTS OF 2021 FOR OUR ASSOCIATION?

▶ The Clean Fuels in heavy-duty transportation conference hosted Minister of Energy Mr Claude Turmes

and an international roundtable addressing the new challenges of climate change.

▶ For the 2nd year in a row, it was difficult for trainees even assisted by C4L to identify employers and obtain a contract for the 3-year Diploma Technician traineeship.

▶ Together with CSCMP, a Webinar addressed upcoming capacity constraints across modes of transport.

▶ Together with BSI, the importance of GDP compliance of pharma logistics was the subject in July.

▶ The EU commission published its Fit-for-55 package to lower CO₂ emissions by 2030 in July.

▶ DIGITAL SUPPLY CHAIN Europe was back in Luxembourg in September.

▶ The 3rd "Best DT Logistics candidates awards" were handed over in September to two gifted students.

▶ Forerunners achieved the Lean and Green STAR awards in an event organized by Philippe Scholten with participation of Minister Claude Turmes to address the required energy transition until 2030.

▶ The airport achieved record volumes and full capacity in air freight.

▶ Company visits of Bexeb, B Medical Systems, Offergeld, Astron and Caves Bernard-Massard allowed to meet F2F again.

▶ Minister of the Economy Mr Franz Fayot inaugurated our successful F2F November logistics conference by putting the focus on Digitalization. The expanded Eurohub South and Contern Hub should close some warehouse gaps, created by increased demand. Changes in European VAT rules, organization of global supply chains, the restricted airfreight capacity and last but not least the consequences of Brexit were other important subjects that led to an animated round table.

▶ Global supply chains made regular headlines in the news due to its impact for business recovery and emerging disruptions.

▶ The Cluster promoted a positive image of logistics & supply chain, through 12 monthly C4L "logistics conversations" podcast episodes with interesting personalities. Purpose is to create visibility for supply chain issues and sustainability by sharing success stories about the sector.

▶ The Young Logistics Professional network organized five networking events to share experience. Developing and attracting talents and supply chain competence is a major challenge currently and for foreseeable future.

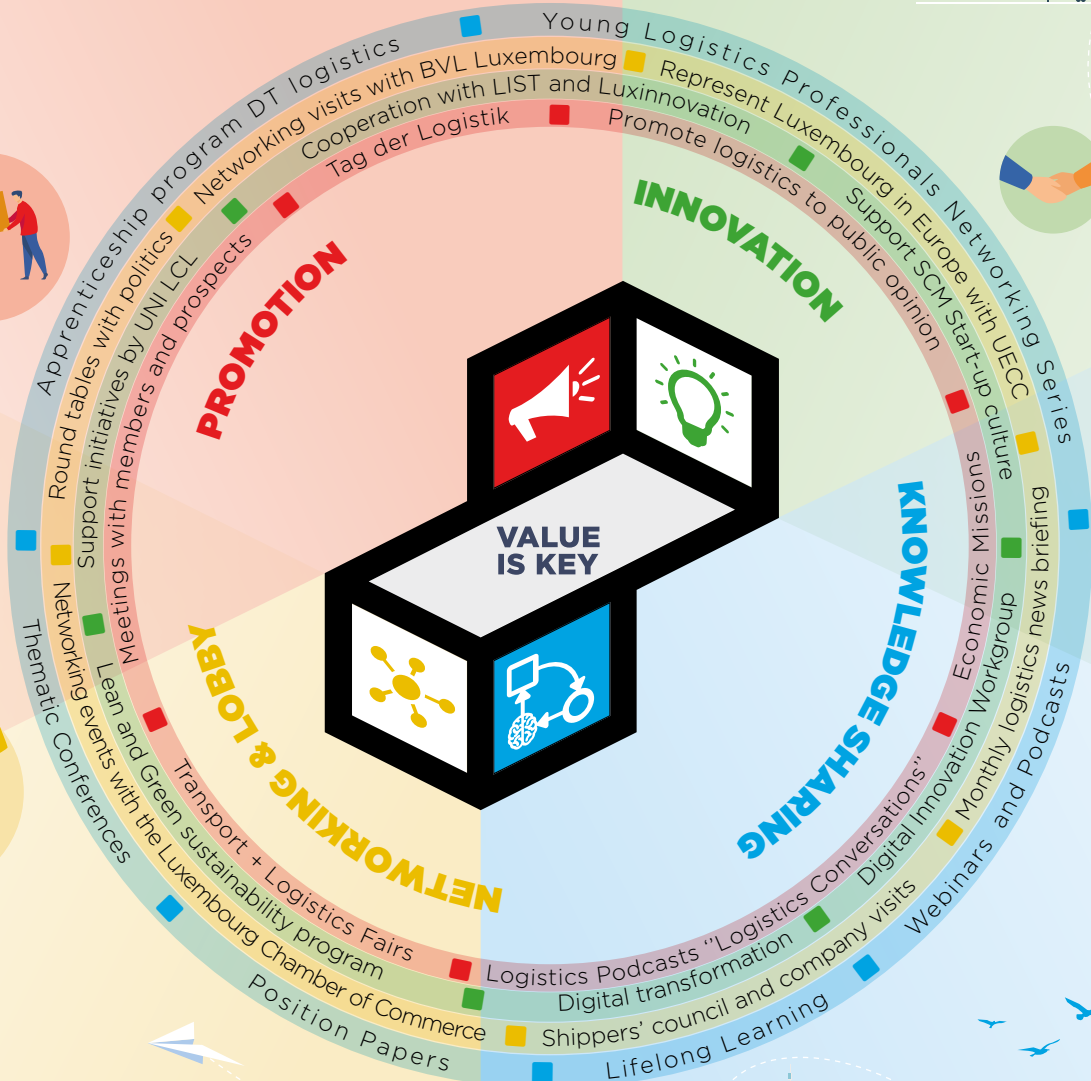
OUTLOOK AND ROADMAP 2022

The 2022 Lean and Green program continues to encourage better energy efficiency and prepare for the European Fit-for-55 package in transport. Further [main events](#) planned for 2022 include a start-up event followed by the 8th "Supply chain day" event on April 21st allowing companies to present their logistics operations. The general assembly in April will prepare for a get-together of "European Supply Chain Leaders" mid-May. Our Spring Conference will address "Digital Innovative Supply Chains" in June.

Digitalization has developed a lot due to the pandemic and the C4L is looking forward to addressing the sector's innovation and digital transformation needs, starting with a survey to understand how to support this, together with the Ministry of the Economy. 

IMPLEMENT STRATEGY TO REINFORCE LOGISTICS

ADDING VALUE IS THE KEY



More information on our website: www.C4L.lu or scan the QR Code!



WELCOME TO LUXEMBOURG



The last decade was used by private and public investors to invest into logistics infrastructure and add more than 250'000 sqm of warehouses increasingly with solar panels on the 3 major logistics hubs of Luxembourg. Ideally located in the heart of Europe less than 300 kilometres away from two world-leading maritime ports, Luxembourg's infrastructure and agile service providers offer access to service a market of 450 million consumers with added value logistics activities for industry, retail and a growing European e-commerce sector.

Luxembourg is now one of the top 10 international locations in Europe, strengthening the diversification of the economy through added value from professional activities, expanded freight villages and a focus on advanced ICT environment for data-driven global supply chains.

RESILIENCE AND FLEXIBILITY ESSENTIAL FOR LOGISTICS SECTOR

The growth in 2021 announcing the end of the COVID-19 pandemic was impacted by high economic volatility and supply chain disruption explained due to bottlenecks and insufficient capacity across transport modes. All activities continued to be impacted by sanitary conditions and vaccination rates. Astonishing resilience, e-commerce and airfreight pushed transport and logistics figures higher throughout 2021. Its stable political and economic business climate supports Luxembourg as a recognized location for supply chain activities.

Despite the coronavirus pandemic and disruption in trade and international passenger flows, Luxembourg has been ranked the world's seventh most-connected country. This 7th position in the Top 10 lead by the Netherlands, Singapore and Belgium was re-confirmed in the Global Connectedness Index 2020 (GCI) released by DHL and NY Stern School of Business. This pressure explains the requirement for flexibility to continuous extreme demand for airfreight, road transportation and increasing rail freight to support industrial production across the globe.

Further investments in infrastructure documented the confidence that helps the diversification of the economy, as customers realized ever more, how essential a reactive supply chain activity is.

LUXEMBOURG ANTICIPATED COMBINED TRANSPORT AND ECO-LOGISTICS DRIVEN BY THE FIT-FOR-55 AND EU GREEN DEAL

The Multimodal Hub across the Eurohub South continued its expansion as platform of choice in Europe, by offering new destinations on the North range and East of Europe. Well situated on North-South TEN T connections through Europe, the fit-for-55 program announced by the European commission in July 2021, is driven by the EU Green Deal. This potentially increases the long-term attractiveness of Luxembourg as hub for intermodal transport and eco-logistics. The Bettembourg/Dudelange freight village is now regularly connected to Belgium, China, Italy, Poland, Spain, Scandinavia, Turkey, Germany and obviously the North range of ports.

The logistics zones Eurohub Center in Contern also saw expansion with major players additional contract logistics sites for healthcare, retail, e-commerce and high value airfreight close to the airport.

The growing interest for the silk road to Asian industrial centres were reinforced by continuous high maritime container rates.

The C4L is a Network of Logistics in Luxembourg for over 100 companies including supply chain professionals and many additional services. The Luxembourg Center for Logistics' Master in Logistics and Supply

chain management is the cherry on the cake for many companies like Amazon's or Vodafone's growing talent needs. The ongoing **Logistics Briefing** and the new monthly "Logistics conversations" podcast, will help promote a positive professional image to create visibility for supply chain success stories through amazing local and international personalities.

DATA DRIVEN INNOVATION FOR SUPPLY CHAIN MANAGEMENT

The Luxembourg Government and its Innovation agency Luxinnovation expanded its helpful Fit 4 Resilience, Fit 4 Digital, Fit 4 Digital Packages and NEISTART support programs in order to help companies make the switch to digitalization, particularly to help the needs of small and medium-sized enterprises (SMEs). The Ministry of the Economy committed to strong data innovation focus in its development strategy for logistics with lower ecological impact attracting international conferences, to evaluate technology and adapt supply chain strategies.

STRONG PRESSURE TO DIGITIZE ACROSS EUROPE AND FIGHT CLIMATE CHANGE

Ongoing efforts to achieve a further reduction of CO₂ emissions to ambitiously fight climate change, were enhanced by the Lean and Green programme in its 8th year. Clean Fuels for heavy-duty transportation will

be the new challenge for the sector to decarbonize. The firm belief is, that without incentives and coordinated effort across all ministries, an energetic transition in transport, that meets the Paris agreement and lowers CO₂ by more than 55% will be unlikely! A shippers council allows sharing needs and economic reality with the ecosystem.

Limited belly capacity at other airports - reinforced Cargolux's market share and allowed LuxairCARGO to confirm a 5th position in Europe exceeding exceptional 1.1 million tons of airfreight.



Carlo Thelen, President of the Cluster for Logistics

The Port of Mertert continued to offer multimodal freight via internal navigation to an expanded customer base. Luxembourg continues its logistics strategy to focus on **value adding activities**. The need for specific competences is the base for the young professional network activities throughout 2021.

To serve the broad range of companies that established office in Luxembourg and developed their locations into major European logistics hub the competent talents are available in particularly many

nationalities and cultures. The apprenticeship offers for logistics technicians (DT) and warehousing (DAP) suffered from limited demand under difficult conditions. The new digital procurement chair at the university will build expertise for the multi-lingual workforce to serve a pan-European market.

NETWORKING AND INNOVATION OPPORTUNITIES OFFERED TO SUPPLY CHAIN MANAGEMENT

The Cluster federates institutional actors and private enterprises around different competences bringing together representatives from industry, logistics companies, shippers, research, academia and other organisations to strengthen competences at the international European logistics hub. New apprenticeship programs were developed for e-commerce. As member of the UECC Chambers of Commerce for transport policy across 5 countries, the C4L represents the Luxembourg Chamber of Commerce, to develop insights about transport policies. The Luxembourg BVL Chapter represents the association to connect with over 10'000 members globally.

The C4L's actions will further focus on digitization to obtain competitive tools and environmental sustainability competence by providing advice and accurate information to members and through members. The cluster is prepared to back-up actions to expand into new innovative services, markets and products. ■


MISSION OF THE CLUSTER FOR LOGISTICS

The Cluster for Logistics Luxembourg was founded in 2009 with the aim of diversifying Luxembourg's finance-heavy economy and developing the central and business-friendly location of Luxembourg as a logistics hub in the heart of Europe. After more than 10 years of existence, the thematic fields and core focuses of the Cluster for Logistics have been continuously adapted to the needs of the sector and today the 4 central pillars of action of the C4L can be divided into innovation, promotion, networking and knowledge sharing:

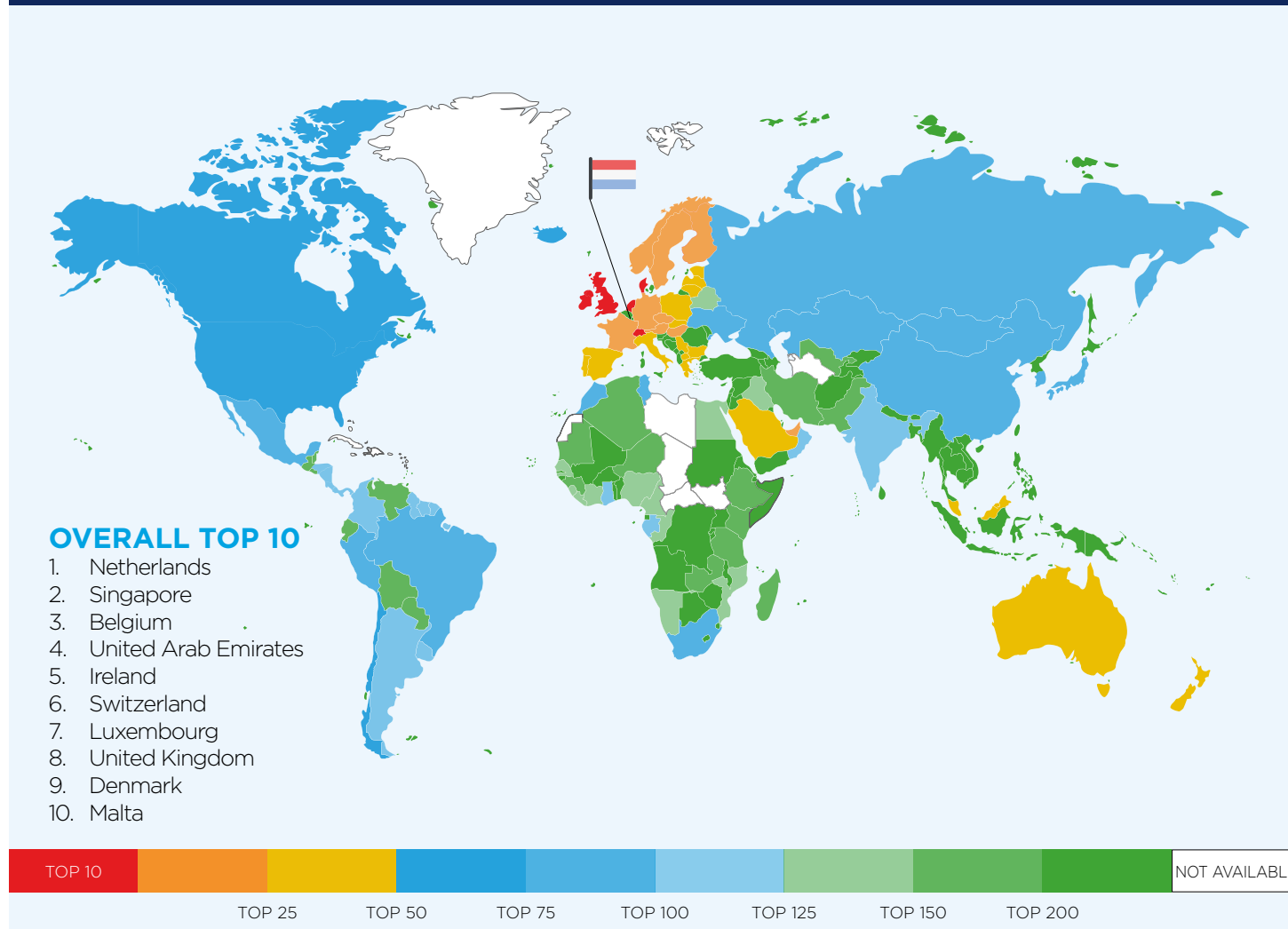
▶ **Innovation:** The C4L supports its members through offers in the field of digitalization and sustainability in order to drive them to innovate and to develop competitive and unique logistics capabilities.

▶ **Promotion:** The C4L represents the transport and logistics sector as well as its members on a national and international level, and thus strengthens Luxembourg's position as a competitive logistics hub in Europe.

▶ **Networking:** The C4L promotes exchange among the various stakeholders from the logistics sector of the greater region across the boundaries of individual transport modes.

▶ **Knowledge sharing:** The C4L serves its members as a neutral coordination, information and communication platform. Further, the C4L ensures the apprenticeship of young logistics students in the framework of the DT logistics program. 

DHL Global Connectedness Index 2020:



BUSINESSPLAN AND OUTLOOK 2022



The Cluster for Logistics Luxembourg (C4L) as a logistics network is involved with administrations, logistics operators and shippers to drive forward priorities that are necessary for the development of Luxembourg as a competitive logistics hub in Europe. For this purpose, the C4L has identified the 4 central thematic areas of innovation, promotion, knowledge sharing and networking as the main priorities for driving future activities. Against the backdrop of the COVID-19 pandemic, the past two years, and 2021 in particular,

have been dominated by the challenge of resilience of global supply chains and logistics flows. This challenge also had an impact on the agenda of the Cluster for Logistics which made long-term planning more difficult. Consequently, in the past two years, the C4L has focused primarily on knowledge sharing by supporting companies with information in order to be constantly up to date. In addition, efforts in the area of sustainable logistics have been further advanced by steadily expanding the Lean & Green initiative.

Looking ahead, the current challenges of the logistics industry around the topics of increased energy costs, high inflation, lack of drivers, disruptions of global supply chains as well as the Ukraine crisis and its unknown effects will centrally influence the activities of C4L in the short and medium term. In this context, the Cluster for Logistics seeks to find fast solutions that can relieve the burden on its members. In the longer term, the cluster will focus on the topics of sustainability and digitalization in logistics. In the field of sustainable logistics, we

are aware of the importance of the Lean & Green program to help transport and logistics companies prepare for the sectoral climate targets and to quantify and, ideally, reduce their emissions in advance. In addition, our members will face enormous challenges in terms of digitization in order to optimize processes and maintain their competitiveness. Therefore, in the future we will deal with digitalization models along the 4 transport modes we represent, to advise our members in the digital transition in the best possible way. ▀



The Ever Given, a giant vessel blocked the Suez Canal March 2021 for a week, showing impact of global supply chain disruption



2021 TESTIMONIALS


What made the year 2021 remarkable for you?

2 Point 0, logistics services provider for the e-commerce market, was founded mid-2016 and as such we celebrated our 5th anniversary in 2021. This milestone year was marked with the shipping of our 1.000.000th parcel. For the fifth time in a row, we could close the year with black financial figures and registered again a double-digit growth percentage.

The past 12 months were definitely the most challenging since the company's start. Not only the so-called Covid-boost in e-commerce flattened out, but new game changers, such as the new VAT regulations and Brexit, had a drastic impact on different trade lanes and on e-tailers' business behavior in general.

What achievement did you have, that the sector should promote, despite a difficult and challenging year of 2021.

Transport and logistics were justly acknowledged as a vital sector during the pandemic. We are thankful that we were allowed to continue our fulfillment operations during this second Covid year. We are proud as well that, as compliant as possible with sometimes quick changing restrictions, we did not lose a single day in servicing our customers. It was hard to replace the suddenly missing staff in our labor-intensive niche environment. Availability of even basically skilled workers was and is still scarce.

As a result of our constant growth, the need for bigger premises became every day more obvious. We struggled but finally found a new and affordable warehouse in Foetz. Our move is planned for beginning of Q2/2022. Fulfillment centers as ours do not require 5000+ m² buildings. Relocation to one of the national logistic zones is not an option for small and middle-sized companies (SME) and acceptance in smaller industrial zones is rarely in line with local authorities' guidelines. 





Arthur Welter Transports and Bolloré Logistics Luxembourg on Tuesday launched a pilot project together with TotalEnergies to reduce the carbon footprint of lorries. (Photo: Arthur Welter)

What made the year 2021 remarkable for you?

The second consecutive COVID year was successfully closed due to strategic decisions in the road transport business that were correct in hindsight. We had to respond to challenges such as staff shortages, restrictions imposed by COVID regulations and the shortage of capacity on the market. Due to the consequences of the pandemic, the demand for sea as well as air freight capacity had shifted to each other, much was alternatively switched to the roads as far as possible. Major worldwide bottlenecks in the supply chain were the consequence. Not to forget the accident of a freighter in the Suez Canal, all this led to a phenomenon which I like to call the “worldwide logistic knot”. This knot has not been completely undone to this day and I expect it to be with us for some time to come.

Especially towards the end of the year, the increase in energy prices together with rising payroll expenses considerably increased our operating costs and severely squeezed our profitability. From then on, the outlook for the coming months was more gloomy. The high diesel prices may be a temporary phenomenon, but I anticipate that

wages will continue to rise, and not only for professional truck drivers. Looking back at 2021, I think that our activity has been able to improve its social image through the pandemic, it is now known that the transport sector is systemically important.

What achievement did you have, that the sector should promote, despite a difficult and challenging year of 2021.

2021 was the first full financial business year in which we were able to fully exploit our 25,000 m² warehouse at Eurohub Sud in Dudelange. This activity was a broadening of our operational horizon, very challenging but also rewarding. Lastly, we were able to establish ourselves as a new national player in this sector. We understood that the demand for competent warehouse logistics in Luxembourg is high, but the offer is limited. On the one hand Luxembourg is interesting due to its central location in Europe, on the other hand available large building sites are hard to find or at least to pay for. As warehouse logistics fits very well with our core activity, road transport, we are willing to expand further in this activity. It should be generally understood that this activity is very suitable for diversification of our economy and should therefore actively been promoted accordingly. ■



Ben Frin - CFO - Arthur Welter Transports



What made the year 2021 remarkable for you?

2021 will remain an incredible year of changes and adaptations due to the COVID-19 pandemic. Changes first in the way to work and to react, the teams having to work on remote mode and from distance with colleagues and customers, and to solve unique issues, like supply and price volatility. This has been successfully overcome thanks to the great commitment of our people and to specific initiatives for further team cohesion. As we are already used to work in an international environment, with engineering and production teams displayed across 6 countries, we've been able to react more easily. On the other side, customer needs have changed as well: many customers required a very fast reaction time and much flexibility in the scope of supply to be delivered. Speed of delivery and adaptability (building ready to use and building transformation) become points of differentiation for us and have a real value in the total cost of ownership calculation.

What achievement did you have, that the sector should promote, despite a difficult and challenging year of 2021?

Speed and adaptability have been of course also important for the companies contributing to fight against the pandemic. For example,

B Medical Systems, a global leader in the vaccine cold chain industry urgently needed an extension of its manufacturing facilities in Hosingen, Luxembourg for its products (*ultra-low freezers, vaccine refrigerators, etc.*) to store and transport vaccines across the world. Astron supported B Medical by providing 3 logistics and production buildings, 4,500m² delivered turnkey within a very short time frame. The teams' reactivity and effectiveness from design, production and shipping, and the coordination with all construction partners, was key to meet the extremely short deadlines. Very satisfied with the customer focus and project coordination executed with Astron, B Medical could get its new buildings on time with the expected performance.

Abroad, let's mention the 5,500m² Thermo Fisher Scientific production building in Vilnius, Lithuania to increase the production of reagents to companies developing mRNA-based vaccines and therapies. It was designed, manufactured and shipped in just 3 weeks, this was a new record for our company who supply buildings since almost 60 years and a fantastic achievement in Europe.

The extension of B Medical Systems manufacturing facilities in Hosingen by ASTRON BUILDINGS. 



Bernard Schmitz - Sales and Marketing Director - ASTRON BUILDINGS





What made the year 2021 remarkable for you?

2021 has been a remarkable year for B Medical Systems mainly due to how our company managed to solve the many challenges it faced. With COVID-19 still spreading around the world and serious supply-chain limitations affecting businesses worldwide, we knew that we had to optimize the way we operated. As a leader in the medical cold chain industry, it was our duty to rapidly find effective solutions to these problems and allow governments and health organizations to receive the much-needed cold chain solutions for their vaccines, medicines, and samples.

To achieve this, with the support of our partners we invested heavily in expanding and optimizing our infrastructure in Luxembourg to allow us to augment our production capabilities. We also started the establishment of our India manufacturing facility in Mundra, Gujarat. All these enabled us to meet the rising demand more effectively for our products worldwide. Not just this, we also optimized several other levers like the supplier base, the worldwide logistics service network, etc., to help us meet the global demand.

What achievement did you have, that the sector should promote, despite a difficult and challenging year of 2021?

Our factory expansion in Luxembourg is definitely one of our biggest achievements in 2021. We diversified our supplier base, secured long-term and consistent availability of raw materials through blanket POs, optimized the warehouse management by augmenting the capacity internally and externally, and drove several digitization projects that helped to increase our efficiency. We also grew our headcount by more than 60%. All these helped in meeting the global COVID-19 vaccine cold chain demand. We delivered more than 70,000 medical cold chain units to 140+ countries in an average of less than 4 weeks lead time, despite the global supply chain challenges. And none of this would have been possible without the support we received from the Government of Luxembourg, the Luxembourgish business ecosystem, and our local partners. B Medical Systems is more ready than ever to face any challenge in its industry and continue to manufacture and distribute high-quality medical refrigeration devices for its customers. ■

What made the year 2021 remarkable for you?

As a mid-size consulting company with Luxembourgish roots, our ambition is to keep growing locally and at the European level. In 2021, we opened our 4th office (locations: Luxembourg, Brussels, Lyon, Nice) and have reached more than 110 consultants.

This year's challenge was to respond as many local and international companies were still affected by the post-crisis period and turned to Resultance to support them in overcoming this crisis. Their objectives were to be more resilient and/or to transform their business to seize the post-crisis opportunities.

2021 was driven by many operational excellence projects, but also by digitalization and change management missions. Indeed, digital transformation has been a big focus. For 20 years, Resultance has developed its own digital capabilities (Business Intelligence expert, ODOO ERP Gold partner, custom development resources). Thanks to this foresight position, we have been ahead of the curve and able to support our clients in their digital transformation journey.

Implementing some new ways of working require some change of mindset and often a review of processes. Therefore, driving change is part of our projects.


To meet these new challenges Resultance is constantly recruiting new talents with specific expertise. Moreover,

our consultants are adapting to the new working methods imposed by the current situation, while keeping the proximity with the client, since all our projects are carried out hand in hand with their teams.

What achievement did you have, that the sector should promote, despite a difficult and challenging year of 2021.

Developing Supply chain 4.0 is a key achievement: by advanced analytics and automated tools, companies increase their agility and their response to customer needs while being more connected with them: better end-to-end visibility, higher operational effectiveness.

As such, Resultance has been chosen by one of the world leaders in vaccine manufacturing to support the implementation of supply chain 4.0. In a complex environment, with a worldwide footprint/ and high expertise in supply chain, our achievement was to bring more insight to better drive decisions. As concrete examples of what can be done, we developed a Digital Value Stream Mapping that gives dynamic end-to-end visibility to improve long and variable lead time and a Control Tower to centralize and manage data.

What a great achievement that a Luxembourgish advisory company is involved in such innovative and cutting-edge technology programs: let's make it happen! 



C4L SUPPORTS UECC CHAMBERS



The secretary general Dr. Rainer Füg was honored for 26 years by chairman Dr. Christian Moser.

In 1949, around 50 chambers of industry and commerce (IHKs) from 5 countries from the catchment area of the Rhine, Rhone, Danube and the Alps came together under the umbrella of the UECC. The UECC is committed to a transport policy adapted to the needs of the economy. The common goal in Europe: A liberal market organization in transport, economically oriented cross-border expansion of the transport infrastructure with free access to all modes of transport for efficient and successful business. Another objective is an equal treatment of modes of transport in legal and fiscal terms. With several hundred thousand companies from trade, industry and

services, the UECC is a platform to inspire dialogue between its members for an exchange and open opinion-forming process for transport-related issues of companies. The main activity was a yearly get-together of representatives in Strasbourg in October 2021 to discuss policy items and fix priorities for 2022. The meetings took place in the beautiful traditional Chamber of Commerce of Strasbourg and the region of Grand-Est.

A bi-monthly news briefing is available for subscription on the Webpage. The outlook for 2022 is to present resolutions and have an intensive information exchange on relevant cross-border infrastructure projects as well as city logistics and the fit-for-55 program. www.uecc.org



The representatives describe the Opportunities and challenges across their country (Picture: M. Ocke Hamann - IHK Duisburg)



The President Dr. Christian Moser welcomes the UECC in the region "Grand- Est" in France.

DELEGATES MET ON 13TH&14TH OCTOBER 2021 IN STRASBOURG (F).

Since April 2021, the management of C4L has taken over a mandate from the Union of Chambers of Commerce for transport and mobility (UECC) to lead the working group and establish public relations in Brussels from Luxembourg. The first effort was to re-brand the UECC with a new series of LOGOs, update of the webpage and social media channels. Our director Malik Zeniti represents the Cluster of Logistics Luxembourg on behalf of the Luxembourg Chamber of Commerce, organizing regular monthly working group exchanges and information sharing, to answer to European requests for feed-back for new legal initiatives and directives of the European Commission and Parliament.



A visit of the Host City Strasbourg is part of the program in Strasbourg





NETWORKING AND LOBBY

Events 2021



🏛️ **Clean Fuels in Transportation” online conference 25th March 2021**

How to make the transport sector more sustainable? Energy providers, transport companies and truck manufacturers are evaluating to test alternative fuels like hydrogen, biofuel or electricity as a viable option for road transport in long-haul and regional distribution. To advance this debate in Luxembourg, the Cluster for Logistics Luxembourg (C4L) organized, in partnership with Total Luxembourg, Hyundai Hydrogen Mobility and Daimler AG, and members a digital “Clean Fuels in Transportation” conference and

debate on 25th March 2021 together with Minister of Energy Claude Turmes.

The conference, moderated by the director of the C4L, Malik Zeniti, attracted over 120 participants. It provided insights about the strengths, weaknesses and potential availability of alternative technologies that exist on the market, as well as on how technologies could be economically introduced in Luxembourg. 🟡



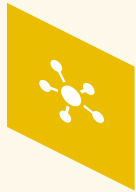
For the full report, video and the presentations
www.c4l.lu/cleanfuels



🏛️ **Premium members visit of Caves Bernard-Massard 19th October 2021**

Around 15 guests from various Premium members joined the visit of the Caves Bernard - Massard in

Grevenmacher. CEO Antoine Clasen led the visit of the cellars and presided the crémant & wine tasting. The evening under Covid19 conditions was a nice opportunity for members to meet again physically after the lockdown. 🟡



📅 Logistics 2021 Reloaded” conference 11th November 2021

How have a supply chains be influenced by the pandemic, was the theme of the Cluster for Logistics Conference “Logistics 2021 Reloaded”. Experts from Logistics and Industry related their experiences and challenges to build resilient and sustainable strategic value chains due to the pandemic, climate change concerns and global transformations at a physical conference held at the Chamber of Commerce. The largest C4L event in nearly two years gathered around 70 guests with Minister Franz Fayot as well as 10 other speakers and panellists.

Keynote Speaker Franz Fayot, Minister of the Economy, lauded the crucial sector with a strong infrastructure in Luxembourg. A round table moderated by Hjoerdis Stahl addressed current and future challenges for companies. The challenges of the sector are: digitalization, decarbonization and finding the right people. 🟡



Download the presentation and pictures of the conference at www.c4l.lu/2021reloaded





INNOVATION


5th L&G Awards 2021 11th October 2021

The Cluster for Logistics Luxembourg hosted the 5th edition of the Lean & Green Awards at the Luxembourg Chamber of Commerce and presented the Lean & Green Awards 2021 in presence of Mr Claude Turmes, Minister of Energy and Spatial Planning. Four

companies were awarded for their efforts and achievements regarding the reduction of CO₂ emissions generated from transport and logistics activities to be proposed to meet the COP26 challenges.

De Verband, a cooperative active in the agricultural sector, and Sales-Lentz, a major passenger transport company

in the field of urban transport and mobility, were awarded the Lean & Green Label. Two companies, 2 other companies, Luxport Group, a logistics and transport company from the port of Mertert, and Transalliance, an international road transport company located in Bettembourg-Dudelange, have managed to demonstrate more than 20% reduction of their transport-related

CO₂ emissions compared to 2015. For these achievements both companies have received the 1st Lean & Green Star in Luxembourg. 



Watch the report and ceremony on www.c4l.lu/lag2021



LEAN & GREEN 2021

In line with one of the Cluster for Logistics' core missions on sustainability in transport and logistics, efforts in 2021 have again turned to the expansion of the **Lean & Green** initiative. After the decision in 2014 to organize the Lean & Green initiative as national host in Luxembourg, the C4L succeeded in welcoming its 13th **Lean & Green** member in 2021. The Lean & Green program envisions to induce companies from the logistics and transportations sector to implement a set of self-defined optimization measures in order to reduce their CO₂ emissions linked to transportation activities by at least 20%. By taking a closer look at their logistics activities and rethinking their current business processes,

the companies participating in the program can identify potential for savings and optimization, and thus to make the best use of their resources by saving costs (*Lean*) and reducing CO₂ emissions (*Green*).

On the 11th of October 2021, the Cluster for Logistics Luxembourg hosted the 5th edition of the Lean & Green Awards at the Luxembourg Chamber of Commerce and presented the Lean & Green Awards 2021 in presence of Mr Claude Turmes, Minister of Energy and Spatial Planning. At this year's **Lean & Green Awards 2021**, 4 companies were awarded for their efforts and achievements regarding the reduction of CO₂ emissions generated from transport and logistics activities.



Of these 4 companies, 2 have decided to join the **Lean & Green** initiative in Luxembourg in 2021. De Verband, a cooperative active in the agricultural sector, and Sales-Lentz, a leading passenger transport company in the field of urban transport and mobility, have set up audited and eligible action plans that provide both companies the framework to reduce their CO₂ emissions from transport and logistics activities by at least 20% within the coming 5 years. For the commitment of joining the program and developing individual action

plans to allow to reduce greenhouse gas emissions, both companies were awarded the Lean & Green Label. Besides these 2 companies, 2 other companies, Luxport Group, a logistics and transport company from the port of Merttert, and Transalliance, an international road transport company located in Bettembourg-Dudelange, have managed to demonstrate a 20% reduction of their transport-related CO₂ emissions compared to 2015. For these achievements both companies have received the 1st **Lean & Green** Star in Luxembourg.





INNOVATION

Events 2021



🏢 Video of Ecoliner Truck in Germany 16th June 2021

The Cluster for Logistics visited the German company Brohl Wellpappe to learn more about the Ecoliner Truck advantages in live operation. Since 2017, long-haul trucks with a length of up to 25.25m - also called Ecoliners because they can potentially save 25% or 10.000l of Diesel - can operate in the existing positive network defined by the 10th BMVI regulation in Germany. Ecoliners

are all allowed in 15 countries. Two long truck journeys replace three journeys with conventional trucks. The shortage of truck drivers is somewhat alleviated and the CO2 emissions are demonstrably reduced over the long term, thus supporting the competitiveness of trade and industry. The Cluster took the opportunity to produce a video of the truck in action. 🟩



Learn more about the Ecoliner here www.c4l.lu/ecoliner



Astron supported B Medical Systems by providing 3 logistics and production buildings, 4,500m² delivered turnkey within a very short time frame.

🏢 Visit of Astron Buildings and Shippers Council 12th October 2022

The Cluster for Logistics invited to the Shippers Council meeting at Astron Buildings in Diekirch. The meeting was paired with a company visit where Rodolphe Martin gave an overview of Astron's services. The following Shippers meeting was dedicated to Supply chain disruption, ECO-Liner (25.25m), Powerfuels and European developments on the Green Deal and « Fit-for-55 » program. 🟩



🏢 B Medical Systems Visit 21st October 2021

Around 30 members from the C4L and Business Club Luxembourg joined the interesting visit of the B Medical Systems production site in Hosingen on 21st October 2021. Luc Provost, Andrea Scammacca and Philipp Regert presented the company. Medical refrigeration specialist B Medical Systems manufactures and distributes medical refrigeration systems.

Originally set up as part of the Electrolux group, the company works in two main segments: vaccine cold chain and medical refrigeration for blood and biological samples and double production in 2021. 🟩

Events 2021



📅 CSCMP Conference: Connecting Europe: Logistics connectivity from Benelux to Hinterland 14th April 2021



The Cluster for Logistics Luxembourg teamed up with the two CSCMP roundtables from Benelux and Switzerland to host a round-table webinar on "Connecting Europe: Logistics connectivity from Benelux to Hinterland". The aim of this webinar was to receive insights from key players in the logistics industry about the challenges and opportunities of a well-functioning network of different transport modes from the Benelux region to the Hinterland industrial sides.

After executives from the leading logistics companies, CFL multimodal, CLdN ro-ro, Contargo, FFWD-Rail, Luxport Group and Mediterranean Shipping Company, presented their main logistics activities in the European region, a round of discussions developed, in which the 6 speakers looked more closely at topics such as digitalization, sustainability and required core competencies in the logistics field. 🚩



📅 3rd Luxembourg-Poland Business Conference 30th November 2021

The Cluster for Logistics moderated a round table during the Business Conference by the Luxembourg-Poland Chamber of Commerce (LPCC) at the Chamber of Commerce. The subject of the conference was Future of logistics. Digital Strategy and Initiatives between Polish and Luxembourg companies. The aim of the Conference was to create an exchange for presentations, discussions, and collaboration in the field of innovation and digital solutions. 🚩



Check out more pictures at <https://www.lpcc.lu/photos/3rd-luxembourg-poland-business-conference/>



📅 Tag der Logistik 15th April 2021

On 15th April 2021, companies from the industrial, trading and logistics services sectors take visitors behind the scenes of logistics. Due to Covid19 restrictions, only the Luxembourg High Security Hub (formerly Luxembourg Freeport) opened its doors for a visit on site. 🚩

📅 SITL visit 13th-15th September 2021

The Cluster for Logistics visited the French Logistics Fair SITL on 13th-15th September. The event regroups French and international supply chain actors and every year several Cluster members present their services. 🚩





KNOWLEDGE SHARING

THE YLP NETWORKING SERIES

The Young Logistics Professionals networking series is an initiative of the Cluster for Logistics Luxembourg in collaboration with the Luxembourg Maritime Cluster and the Luxembourg Center for Logistics and Supply Chain Management, which started in 2020. The partners organize events at regular intervals, where young logistics professionals can exchange ideas with experts and representatives from the industry on various topics. In 2021, three conferences with experts, a summer dinner and a Christmas Drink were organized with members of the Clusters and Uni.lu Students, led by Philippe Scholten.

- 3rd February 2021: Gerd Eiden, Head of Satellites Services and Application from OHB Luxspace, on satellites and logistics.**
- 22nd April 2021: Christian Wilhelm, CEO of Shipsta, on logistics procurement platforms.**
- 24th October 2021: Experience exchange with Ram Menon, Senior Regional AvSec Manager, EU and EU Aviation Security from Amazon Air Luxembourg, on safety in transportation.**



Multi-mode Compliance and Standards (MMCS) Conference Webinar 8th July 2021

The need for rigorous compliance with regulations and strict adherence to best-practice surrounding the quality, safe, and efficient distribution of medicines and vaccines worldwide has never been greater. BSI, the British Standards Body, and Poseidon, the independent pharmaceutical logistics network, are bringing their joint resources and expertise together to develop and execute a Multi-mode Compliance and Standards (MMCS) program to help promote, monitor and assess adherence to the GDP (Good Distribution Practice) regulations that underpin global pharmaceutical logistics.

The first workshop on July 8th 2021 gave an overview of the BSI-Poseidon MMCS program and the standardisation needs for GDP. Experts from BSI

and Poseidon gave an interpretation of the prevailing local and international GDP regulations and guidelines for each of the main long-haul transport modes and provided a full range of GDP support, standard development, assessment and training services. Workshop Convenors were BSI Sector Development Director, Healthcare - Courtney Foster and Poseidon Executive Director - Alan Kennedy.



Learn more about the program at www.c4l.lu/mmcs

Neistart Lëtzebuerg Conference with C4L Member Resultance 11th March 2022

In order to support its members after the COVID-19 pandemic, the Cluster for Logistics and the Premium member Resultance hosted a webinar in March to present the programs Neistart Lëtzebuerg and Fit4Resilience of the Ministry of Economy and Luxinnovation. Emmanuel Gay and Laura Schauss gave examples identify potential grants to support transportation, logistics solutions and digitization to an interested audience.

Events 2021

DT LOGISTICS BEST STUDENTS AWARD 13th September 2021

As a sign of appreciation and to boost the image of logistics in the public, the Cluster for Logistics (C4L) supports the best students of Dipôme de technicien en logistique every year. In 2021, Carlo Thelen, president of C4L, and Deputy Head of the Formation professionnelle SFP (Ministry of Education) Tom Muller, handed over a prize to the two best apprentices of the year 2020/2021. Brian DA SILVA SANTOS, student at the Lycée Technique de Bonnevoie and apprentice at Globus Baumarkt, as well as Nelson LEAL MOREIRA, from Lycée Technique de Lallange and apprentice at ArcelorMittal, stood out this year and were praised by the teachers and their coaches, exceeding the expectations during a difficult school year marked by the Corona pandemic.



Watch the ceremony on www.c4l.lu/dtlog21



TECHNICAL DIPLOMA IN LOGISTICS (DT LOGISTICS)



Phillippe Scholten, Nelson Leal Moreira, Brian Da Silva Santos, Malik Zeniti

In the school year 2020/2021, the Cluster for Logistics has ensured the organization of the DT logistics education program in the two technical schools in Bonnevoie (LTB) and Lallange (LTL). Within the framework of its commitment to knowledge sharing, not only professors from the logistics field were made available for theoretical logistics lessons, but also practical apprenticeship spots were offered in close exchange with the transport and logistics members. This engagement has led to the result that in 2021, 18 students were enrolled in the graduating DT logistics class, all numbers combined between the 2 high schools of Bonnevoie and Lallange.

Among the 18 students enrolled in the graduating class, 14 students directly passed the final exam and were successfully integrated into the logistics sector.

To recognize the special talents of this course of study and to support young talents active in the logistics sector, the Cluster for Logistics awards each year the best students of the Logistics Technician Diploma. On 13th September 2021, Mr Carlo Thelen, President of the C4L, and Mr Tom Muller, Deputy Director of Professional Orientation (Ministry of Education), granted an award to the two best apprentices of the year 2020/2021. 🏆



CONNECT WITH US!



PODCAST LOGISTICS CONVERSATIONS

In the past year 2021, the Cluster for Logistics has published **more than 10 podcasts** within the framework of its logistics conversation podcast. The objective of this podcast is to interview interesting stakeholders about important topics in logistics and to promote the key competencies of the Luxembourg logistics ecosystem.



LOGISTICS NEWS BRIEFING

The cluster for logistics publishes a **monthly news briefing** which summarizes the most important national and international news and articles on the topic of logistics and supply chain.



<https://www.linkedin.com/company/cluster-for-logistics-luxembourg>

SOCIAL MEDIA LINKEDIN AND TWITTER

The C4L also provides social media communication with its Twitter feed **@c4l_lux** allowing to spread news from relevant sources instantly, including interesting video material. The LinkedIn C4L page <https://www.linkedin.com/company/cluster-for-logistics-luxembourg> is an additional channel to keep in touch with members, friends of logistics and supply chain professionals. It **gained 500 followers** in a year by presenting events and news.

+ LEAN & GREEN LUXEMBOURG LINKEDIN

<https://lu.linkedin.com/showcase/lean-and-green-luxembourg>



<https://www.clusterforlogistics.lu>

WEBSITE WWW.C4L.LU

The **C4L Website** serves the community for information about the cluster's activities and to register for events. It is reinforced by social media for last-minute information on conferences and events.

- ➔ **News Update:** The News Blog and Twitter feed allows to spread relevant news and C4L activities.
- ➔ **More Events:** Events relevant to the community including links to register.
- ➔ **More visibility** for our supporting members (*or membres effectifs*), as they are **highlighted** and their contacts are provided.

WEBSITE UECC: www.uecc-chambers.eu/en

BECOME A MEMBER

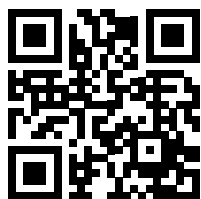
THE CLUSTER FOR LOGISTICS OFFERS DIFFERENT TYPES OF MEMBERSHIPS

Premium, Company, Start-Ups and Personal/Retired/Young Professionals Luxembourg

MEMBERSHIP OF THE CLUSTER:

- provides input to identify the needs of the Luxembourg logistics sector.
- gives insights in the Luxembourg logistics sector and supports you to get more competitive.
- provides information on factors that drive the logistics sector in Luxembourg.

To apply for membership of the Cluster for Logistics, you can fill out the form available on www.c4l.lu/join-us or simply use the following QR code:



ADVANTAGES	PREMIUM 3.600€	CORPORATE 1.200€	START-UP 380€	PERSONAL 120€ FOR 2022 <small>(240€ FOR FOLLOWING YEARS, RETIRED & YOUNG PROFESSIONALS 75€)</small>
Invitation to all events of the cluster	✓	✓	✓	✓
Participation free of charge to events of the C4L (unless stated that events include a contribution)	✓	✓	✓	✓
Reception of news briefing	✓	✓	✓	✓
Contribution to news briefing	✓	✓	✓	✗
Logo on the Web	Highlighted as Premium	✓	✓	✗
Post News on the Web	✓	✓	✓	✗
Employment offers on the Web	✓	✓	✓	✗
Sponsoring in the news briefings and events	✓	✓	✗	✗
Eligible as member of workgroups	✓	✓	On invitation only	On invitation only
Eligible as Board Member	✓	✗	✗	✗

PREMIUM AND FOUNDING MEMBERS



COMPANY AND START-UP MEMBERS

2.0 E-Fulfilment and Cross-Dock Services S.A.

51 Biz Luxembourg S.à r.l. / PPMB

Abacus Consulting & Solutions S.A.

ALLPACK SERVICES SA

ArcelorMittal Commercial Sections S.A.

ARENDET MEDERNACH S.A.

Arthur Welter Transports S.à r. l. 

AS n'Co


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AXA Luxembourg S.A.

B Medical Systems S.à r.l.

Banque Internationale à Luxembourg

Bela S.à r.l.

BIOGROS S.à r. l. 

BMI Group S.à r. l.

CARGOLUX AIRLINES INTERNATIONAL S.A.

CFL multimodal S.A 

Chambre de Commerce

CHAMP CARGOSYSTEMS S.A.

CLdN ro-ro S.A.

CLUSTER MARITIME LUXEMBOURGEOIS

Confédération luxembourgeoise du commerce

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DEKRA AUTOMOBIL GmbH ZW. LUXEMBURG

Deloitte General Services

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DI EGIDIO International SA

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Ernst & Young Business Advisory Services

EUROPEAN LOGISTICS PARTNERS (*ELP*) S.A.

FedEx Express Luxembourg S.à r.l.

FEDIL-THE VOICE OF LUXEMBOURG'S IND.

Geis Cargo International Luxembourg GmbH

Global Airlift Solutions Lt d. Zweigniederlassung Lux.

GMR Safety Inc.

GOODYEAR OPERATIONS S.A.

GROBUSCH S.A.

Guardian Europe S.à r.l.

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LCA LUXEMBOURG S.à r.l.

Logistics4Pharma S.à r.l.


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mateco

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MOLITOR AVOCATS A LA COUR

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Paul WURTH S.A.

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PricewaterhouseCoopers

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SHIPSTA S.à r.l.

SOBOLUX S.A.

SOCIETE DE L AEROPORT 

SOCIETE DU PORT DE MERTERT S.A.

SOURCIFY S.A.

Streff - Data Protection Services (*PSF*) S.à r.l.

TLW INTERNATIONAL S.à r.l.

TotalEnergies Marketing Luxembourg S.A

TRANSALLIANCE EUROPE S.A. 

UNIVERSITE DU LUXEMBOURG


VTG FINANCE S.A.


WDP LUXEMBOURG S.A.


WE-FR8


WILDGEN S.A.

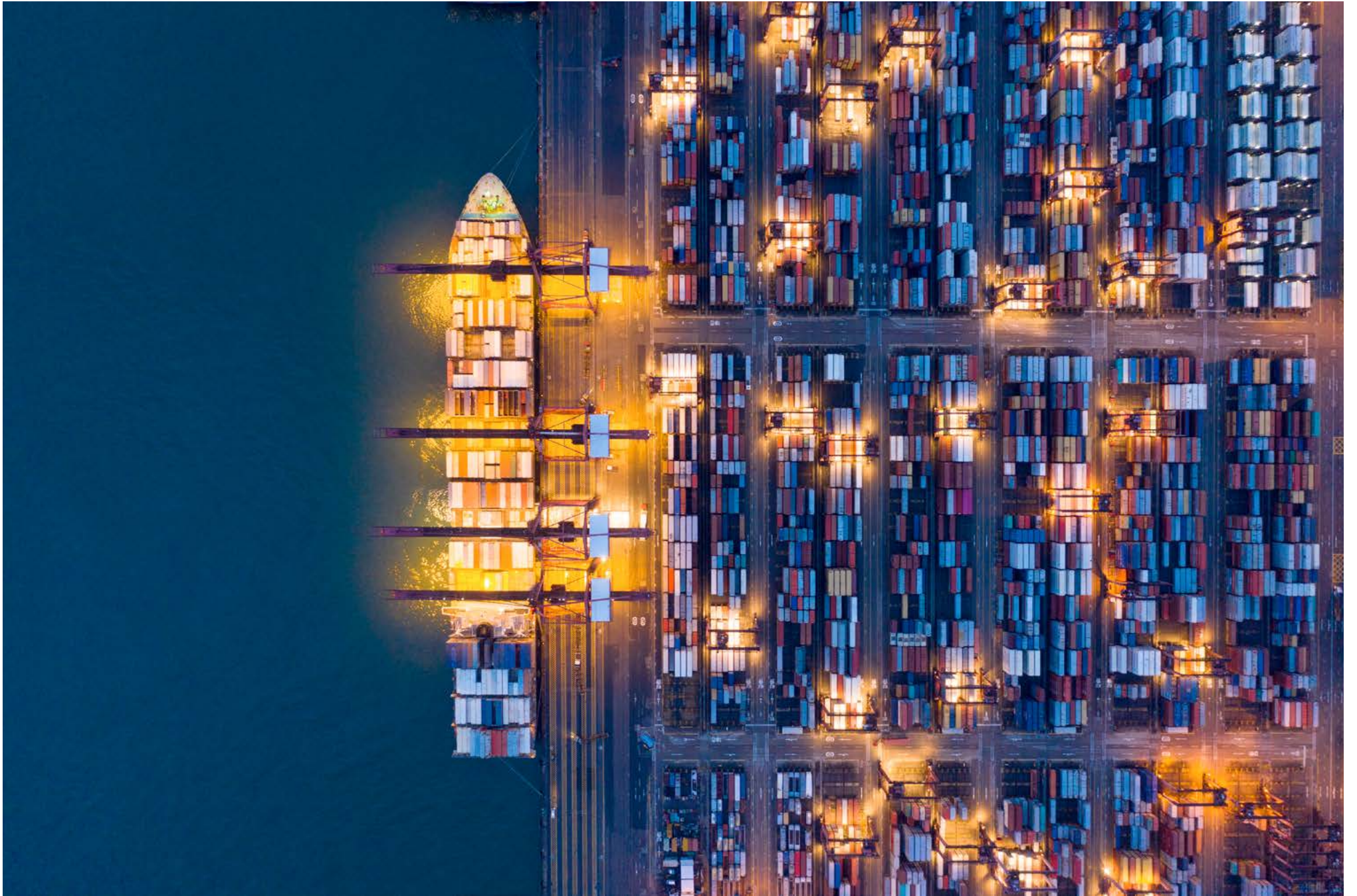
LEAN & GREEN CERTIFIED (NON-MEMBERS)

DeVerband 

GN Transport 

Sales Lentz 

Webtaxi 



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Available for download on Web www.c4l.lu/report2021

Cluster for Logistics Activity Report 2021