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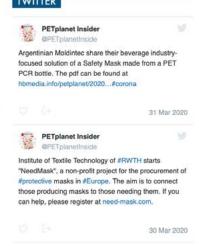
NEWS ~

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EVENTS WIKIPETIA

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Coronavirus - Daily Industry Updates

27 Mar 2020

PETplanet collects official statements from customers & companies in the PET value chain on how they cope with the situation:

Dilmoor Group

A great gesture of generosity has recently driven the Dilmoor Group, leader in the bottling and distribution of spirits, wines and drinks, to use its own plants in Pedrengo (in the district of Bergamo) for producing more than 12,000 bottles of alcohol solution for hand hygiene to give to the hospitals in Bergamo that are involved in the fight against Coronavirus. The Group that is made up of the companies Dilmoor, Perlino and Celebrity, with production plants and warehouses in Pedrengo and Asti, has used the alcohol that is normally employed for the production of spirits and liquors, mixing and bottling plants and its own expertise to produce sanitiser, following the indications given by the World Health Organization.

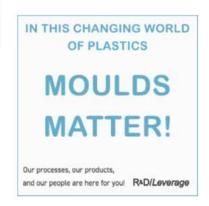
With the spread of Coronavirus, that has affected heavily the district of Bergamo, the desire to give tangible help gave birth to this idea. The bottles of ready-to-use sanitiser have a particular shape, that recalls those of the liquor bottles and the label carries the slogan in the local dialect: «Bergamo #MolaMia» (Bergamo, don't give up!).

Dilmoor is a customer of SMI Group that has installed in its production facilities latest generation bottling plants characterised by high operational flexibility and extreme ease of control. (April 22,2020)

KraussMaffei

On Monday, 20 April 2020, the corona-related closures of the KraussMaffei German sites ended. As the company announced, work will be resumed step by step and in compliance with the strictest hygiene measures. Among other things, all employees will be given face masks and they will be required to maintain a minimum distance of two meters between them. During the site closures, production, assembly and delivery of the completed machines were discontinued. Delays in delivery are therefore going to be a likely result. If there will be delays, detailed information on the individual status of any project and machine will be provided by the responsible sales representative or project manager in the next few days. Due to the legal exit and travel limitations, there may still be restrictions on KraussMaffei's part, especially with regard to assembly and commissioning. The deployment of the technicians must be arranged individually. They usually work and travel alone while they minimise contacts and take all necessary hygiene measures into account.

Näfels however remained in operation: production continued in compliance with maximum safety precautions in accordance with the requirements of the Swiss health authorities. (April 21, 2020)





Indorama Ventures Brazil

Indorama Ventures Polimeros S.A., a leading PET producer in Ipojuca, Brazil, has continuously been working with organisations in surrounding areas, especially with three main entities in Pernambuco State – Lar do Amanha, Creche California and Gaibu Old Fishermen Association. The first two are child care entities while the third was created to support retired fishermen and their families.

With the outbreak of Covid-19, these organisations have been affected by the limited availability of resources and requirements for social distancing. The child care locations have been closed down and markets where the fishermen sell their produce are closed. For three months (April – June) Indorama Ventures Polimeros S.A. will be donating 185 basic necessity boxes to each affected family, to ensure their health and well-being during this crisis period. We hope to be of help to our communities in difficult times with belief that everyone will be able to overcome this crisis together safely. (April 21, 2020)

EuPC European Plastics Converters

In an open letter sent to the European Commission, EuPC advocates for a postponement of the implementation of the Single-Use Plastics Directive in view of the current COVID-19 crisis in Europe. The EuPC justifies its request by stating that single-use plastics are not easily substitutable and offer unique advantages when it comes to ensuring hygiene, safety as well as preservation from contamination to protect consumers. The directive focused only on the littering aspect while hindering the Single Market and the free circulation of packaging and goods among European countries, says the letter. Therefore, EuPC is asking for a postponement of the deadline for the implementation of the SUP Directive for at least an additional year at national level and to lift all bans on some of the single-use plastics items. The implementation postponement would give all EU MS more time to focus on more urgent measures in the fight against COVID-19 by distributing also SUP in emergency situations. (April 17, 2020)

Arburg - Production of protective goggles

Dr. Thomas Walther, Head of Application Technology at Arburg, received a "call for help" from a doctor at the hospital in Rottweil, Germany, on Monday (30/03). She had heard that, at a trade fair, Arburg had produced protective goggles that she and her colleagues urgently need and asked if he could help her. Thomas Walther passed this request directly on to Gerhard Böhm, Managing Director of Sales, who was already involved in various regional aid initiatives and has also initiated several brainstorming projects of this kind within the company. Both quickly agreed that help could be provided with the resources that were already available. That's how the "protective goggles" project started.

Partnership between Ems, Uvex and Arburg Regarding the protective goggles, it quickly became clear that with some coordination measures between the three companies, which had already been working together intensively as partners for a long time, these articles could be produced at Arburg in relevant quantities and with relatively little effort. It was therefore logical that the production of an initial batch of 20,000 pairs of goggles at the parent plant in Lossburg should begin as quickly as possible in order to remedy the immediate shortage. At the plastics trade fair K 2019 in Düsseldorf in October, Arburg demonstrated, together with the evewear manufacturer livex and the material manufacturer Ems-Chemie, the fully automated production of sunglasses. Thanks to the unbureaucratic coordination between the parties involved, it was quickly decided that the already very dense sunglasses could also be transformed into protective goggles, using the same tools and also the same design. From there, everything else went guickly. After Ems had agreed to the use of the tools and Uvex was willing to make the goggles usable for the new application by means of a quick certification. Arburg set up the production system with removal robot in the new training centre in Lossburg. That's where, from the week before Easter, the goggles are mass-produced in a simplified injection moulding process, they come out of the machine ready to use. They are then packed individually with safety and information data sheets in tubular film bags by hand for final distribution. The material for the first batch of goggles, around 500kgof transparent Grilamid TR (PA12), is provided free of charge by the material manufacturer Ems-Chemie from Domat in Switzerland. Once the eyewear packaging has been CE-marked and assembled, "it's quite likely that the distribution can already begin at the beginning of May," says Thomas Walther. (April 16, 2020)

Retal – Donation of customised film for coronavirus masks

Retal donates customised film and expertise to the innovative Robotikos Mokykla to help create over 70,000 masks for healthcare professionals on the frontline of the coronavirus. Retal Baltic General Manager Vikorija Jureviciute responded to an online shout-out from the non-profit organisation, which provides technical education for children. "I saw an article where Robotikos described their need for films to create PPE masks for people in at-risk jobs during coronavirus in Lithuania. I knew we could help as we are film experts! I contacted them straight away to offer our films and design and production expertise. My team was so motivated to help, it has been a very positive experience." Robotikos has coordinated volunteers for cutting the masks with lasers as well as to provide safe collection and delivery to the ambulance workers and medical staff that need them. Viktorija and her team's quick response saw regular production of its PET and rPET films and preforms slightly delayed over one weekend while they tested various options to create the best possible film for the masks. Viktorija adds, "More people than ever before are needing to use PPE masks; not only those in hospitals but increasingly those in production of essential food and beverages too. Retal is delighted to be able to offer our skills and resources to this crucial protection of key workers, and I personally am grateful to Robotikos for managing this important project." (April 15, 2020)

Amut – A message from Mauro Drappo, CEO

"We are going through extraordinary times. Together we face an unprecedented challenge and shared concern over the spread of the coronavirus (Covid-19) pandemic. The coronavirus is massively affecting our lives, as well as the business in many regions around the world. First and foremost our hearts are with anyone whom has been impacted by the virus both directly and indirectly. Our thoughts are especially with those who are sick, to whom we extend our heartfelt wishes for a full recovery. Our appreciation goes out to all people who are helping and especially health care professionals who are tirelessly working to support those affected during these uncertain times. In this difficult period Amut Group is committed to the health and safety of our employees, customers, vendors and other stakeholders and at the same time prioritising business continuity. We have implemented all the measures established by the Ministerial Decrees on health and safety, minimised the number of employees at our premises and activated the remote working, while guaranteeing operations at our manufacturing facility, in full respect of the rules set by the government. Only in few cases we are experiencing some delay due to inconveniences on sub-suppliers chain. For us minimise business disruptions or impacts to your business, is of utmost importance. We would like to make you aware that we continue to deliver our customengineered solutions, to fulfill all your specific requirements. We aim to offer you the same level of quality and support that you expect from Amut. In these unique times, you can rely on us, as we are at your side to support your business and we keep on working closely under one mission to serve our valued clients around the world. On behalf of Amut Group I would extend a warm thank you for your trust and loyalty." (April 14, 2020)

Sepro Group – A message from Xavier Lucas, Chief Sales Officer

The unprecedented health crisis that the whole world is going through has altered daily life for everyone. During this complicated period. Sepro Group remains committed to serving it customers, while working closely with our partners and suppliers. Sepro's main priority is the health of its employees, customers and partners, in compliance with measures taken by the health authorities. Nevertheless. Sepro Group employees are continuing to work as best they can under the circumstances. Our factory is still open and we have taken health and safety measures to ensure that manufacturing can continue. especially to support the needs of essential industries like medical, food, transport, etc. More than ever, Sepro Group is adapting to the constraints inherent in the situation. Customers are asked to keep us informed about any measures your company has taken that could impact the delivery of robots, spare parts or the intervention by our service team. Any delivery or other intervention will be subject to prior confirmation of customers and carriers. (April 08, 2020)

GEA – Risk-free expert assistance with GEA Remote Support

With the outbreak of Covid-19, organisations are faced with trave

I restrictions and quarantine challenges, required to reduce direct contact between employees and service providers. To enable immediate GEA expert assistance for customers during the corona crisis without putting people's lives at risk, GEA now offers a special remote support solution that is easy-to-set-up.

Secure real-time video communication with GEA experts

GEA Remote Support is a service that provides real-time streaming with GEA experts. From their own location in production, customers can use a commercially available mobile device to connect and communicate in real-time with a GEA expert to resolve their issue. With just two elements, a mobile device and internet access, customers can initiate a session by receiving a short email or SMS containing a secure link, followed by a video conversation, with the option to share high-resolution imagery back and forth, send descriptions and instructions via the chat function or take and share notes during the conversation. All of this is possible without the customer having to install a new application.

Extended real-time communication via GEA Remote Eye Wear

The remote support solution is based on existing GEA Remote Eye Wear technology, offering customers further possibilities for machine maintenance. The specially designed glasses, which include an integrated high-resolution camera and reliable microphone, allows for hands-free remote support, offering several bidirectional functions. By projecting images onto the GEA Remote Eye Wear screen, repairs, process optimizations or inspections can be carried out immediately. GEA Remote Eye Wear is currently available as part of the GEA Service Level Agreement (SLA), however, customers will be able to purchase a standalone unit as part of a premium service package in the near future. (April 08, 2020)

Sidel – providing local healthcare players in France with bottles for hydroalcoholic gel

In the fight against COVID-19. Sidel have transformed their international centre of excellence for PET packaging development and blowing solutions in France into a production centre and launched an exceptional production of bottles for hydro-alcoholic gel. A first batch of 5,000 PET plastic bottles for the disinfectant has already been provided to the Hospital of Dijon and an additional one has been distributed for Le Havre town's pharmacies and hospitals. In France, just like anywhere else at the moment, there is a high demand for hydro-alcoholic gel for sanitisation. Therefore, the French government issued a general plea for assistance as regards the production of the currently scarcely available product. Several industries as well as hospitals have responded to the call and are producing the gel. However, healthcare players are facing difficulties to distribute it to their employees as the gel is being produced in big size containers. "With collaborative skills and agile and creative work, our engaged employees were able to transform our centre of excellence into a small production centre in only two days," says Vincent Le Guen, Vice President Packaging at Sidel. A first request was received from the Hospital of Dijon in the middle of March asking to provide small size containers in order to package the hydro-alcoholic gel. The company responded quickly and found the right raw materials and cooperation partners to produce the bottles – these are made from an existing Sidel's 500ml mould and the preforms were provided by a key beverage player while the sport caps were supplied by a cap manufacturer. The sport closure allows controlling the gel flow and keeping it safe. Within one week, the first 5,000 PET bottles have already been sent to the Hospital of Dijon. In the meantime, other similar initiatives have started. "We got in contact with a local deputy in Normandy and discussed how Sidel could support local health players in these challenging times. The deputy informed us that also pharmacies are facing difficulties in gel distribution, therefore, in addition to the 500 ml bottle for hospitals, we quickly designed a smaller - 200 ml - bottle format, which is more user-friendly for individual use to be distributed in the local pharmacies. In total, more than 1 000 bottles were delivered to the local pharmacies on 1st of April all 100% recyclable and potentially refillable after sterilisation," continues Vincent. (April 07, 2020)

Side

Given these extraordinary circumstances and in order to help contain COVID-19, SIDE will be implementing a series of health and safety protocols to minimise any risk of spreading the disease among our employees and partners by following the recommendations issued by the Spanish Ministry of Health.

"We are monitoring the situation and wish to avoid any negative impact to our business. We have launched various action plans aimed at serving and responding to our customers, as well as any new situations that may arise. The goals are to guarantee the continuity of our business and to safeguard the health and safety of all our employees:

We are stressing the importance of pertinent hygiene recommendations

We are limiting staff gatherings, implementing changes to timetables and routines. As a result, output from our Machinery Division is officially operating from 07:00 to 15:00 until further notice. Output from the Automatic Division has been doubled, from 06:00 to 14:00 and from 14:00 to 22:00

Sections of our workforce – sales, after-sales and technical assistance – are currently working from home.

All projects are on track, on schedule and under constant supervision. In terms of materials, none of our suppliers have announced delivery delays due to COVID-19 at this time.

On-site technical work has been completely replaced with remote assistance via the teleservice offered by our Customer Services team, which is fully operational."

The company points out that all communication should take place via the usual channels, both telephone and e-mail. (April 06, 2020)

E-proPlast – PET bottle manufacturer supplies local pharmacies free of charge

Because of the current corona crisis, the Thuringian Ministry of Economics, Germany, has included E-proPlast GmbH, based in Schmalkalden, in the list of systemically important companies. The plastics processor specialising in the development and production of bottles and containers made of PET is thus intensively involved in efforts to satisfy the demand for bottles for filling disinfectants and liquid soaps, which has risen sharply since the end of February this year. Accordingly, production is running at full speed despite the fact that in some cases supplies from upstream suppliers of closures as well as spray attachments and spray guns are faltering. At least for the near future, the production capacity has been converted from a three-shift to a four-shift system, so that production takes place around the clock, seven days a week. The increased personnel requirements are covered in the short term by temporary workers and student assistants. The fact that many pharmacies currently mix disinfectants themselves increases the number of customers. For reasons of solidarity, E-proPlast has decided to supply at least pharmacies in the vicinity of Schmalkalden with bottles and closures free of charge within the bounds of possibility.

The management of E-proPlast GmbH takes into account its special responsibility as a caring employer in times of pandemic. A crisis team formed in mid-March from the managing directors Modesto M. Pesavento and Rüdiger Löhl and other members of the management team has since initiated a whole series of important measures. For example, the technical possibilities for video conferencing were expanded and some employees were sent to home offices. Moreover, the company, which has been promoting the use of recycled PET in the production of its containers for some time now, is taking the current situation as an opportunity to encourage an objectification of the plastics and environmental discussion. The crisis is impressive proof of the importance of plastic packaging, which has been repeatedly criticised in recent times. (April 03, 2020)

SM

"In this period, characterised by restrictions on freedom of movement of people, related to the need to contain the spread of Covid-19 virus, distance communication becomes an even more important factor to maintain relationships with our customers." SMI, that is compliant with the new regulations issued by the Italian government, is continuing to work in order to ensure a constant technical and sales support, since it carries out an essential activity for the good functioning of the food supply chain. "We miss interpersonal relationships with our partners, but geographical distance can be easily overcome with a series of communication tools based on telephone, email, videoconferencing and augmented reality. SMI states that in each company this period can be effectively used to

plan activities and initiatives for preparing in the best possible way the return @jorgepucci_arg or LinkedIn. Any assistance would be appreciated, to the full operation, when new market needs and dynamics will impose as the company states. Moldintec is involved in several initiatives great changes. "Today we would like to share with you a video about one to help the medical community (high-end machining parts for of the many packaging solutions that SMI can offer to its current and future ventilators, eng. Support for mould design, etc.). They now share customers. We are referring to an interesting application for the secondary their beverage industry-focused solution of a Safety Mask made packaging with a DV 500 S divider for channelling 200 ml juice briks on more from a PET PCR bottle. "There're many masks already shared rows, towards an LSK 40 T ERGON shrink wrapper for the packaging in high on the web, and we know that. But, we tried to redefine it to be tray + film, in 8×3 format." (April 02, 2020)

VDMA India (Mechanical Engineering Industry Association)

in the world which means that, in health terms, it is almost inevitable that the the next few days, they will be ready to run tests, and then verify it virus will spread. The country's population is relatively young which could in the field inside hospitals. "We have kept in mind a decentralised buck the trend. However, general healthcare provision is inadequate across production in the territories. A solution to be suitable for small India and the number of people with pre-existing conditions may be a sign towns such as large cities. After a successful test, we will share of increased mortality rates due to the virus. The trouble is that even the the 3D models of the packaging to manufacturing blow moulds and experts are divided on this. The main danger to the economy is a rise in the production processes applied. We are proud to have received the number of unemployed in a country that is not particularly affluent.

political developments and individual business sectors, both from India and blow moulding cutting and packaging. Pls, feel free to collaborate Germany. Furthermore, the VDMA, as it has done previously but particularly with us with suggestions or redesigning the part and the cutting so now, offers special added value for its members through its close process." (March 30, 2020) networking activities with political decision-makers and in individual sectors. It is important, especially during such times of separation and isolation, to NeedMask - You Need or Produce protective masks? have a central point of contact acting as a conduit for providing members with a flow of valuable information despite current working difficulties." (April In recent days the request for medical masks and protective wear 01, 2020)

Caps & Closures

In Australia, new restrictions on non-essential economic services were "NeedMask" platform. A non-profit registry for sourcing protective implemented to combat the spread of COVID-19. Caps & Closures is part masks in Europe. The aim is to connect those producing masks to of essential services because their products are linked to "essential goods" those needing them. "We are still looking for support from IT partners of food, medical, agrochemical, cleaning and health. The company is able who want to scale-up the operation of the platform." Please contact to operate and continue production for their customers on this basis. "We Dr David Schmelzeisen, david.schmelzeisen@ita.rwth-aachen.de. confirm that work health and safety at Caps & Closures is under effective "Let us fight against the virus together and protect and support each control and production is proceeding as per usual. A risk mitigation plan is in other!" Register yourself at www.need-mask.com and receive or place to ensure business continuity and we assure you of our commitment provide help! (March 30, 2020) to act in order to mitigate those risks." Daily checks and controls are carried out for greater worker safety, in full compliance with the measures imposed Alps Inspection by Federal and Victorian requirements. The company has adopted the required protocols to limit the spread of Covid -19 in the workplace. "As for Alps Inspection are paying close attention to the news regarding transport, we are experiencing the same excellent service as always from COVID-19. As the United States government is taking increasingly logistics providers, with no significant issues. However, please be aware stringent measures to protect its citizens and to stem the spread of that logistic providers are now experiencing some difficulties in scheduling the virus, Alps is taking all the necessary actions to ensure the safety shipments, and future deliveries may be subject to delays compared to our not only of their employees, but also of their suppliers, partners, and normal lead times. We, therefore, ask for your assistance and support to customers and is adopting additional safety precautions beyond the organise timely delivery of your most critical shipments. We will keep you governmental mandates. Alps customers are, as usual, welcome to constantly updated regarding your shipments should delays occur. Our team visit the facility but may be asked to answer questions regarding will inform you promptly when the situation changes, discuss strategies to health and recent travels. The company announces that to date, ensure your supply chain needs are accommodated and adapt our capacity they have not experienced interruptions in the supply chain or the to your changing requirements." (April 01, 2020)

Bottle Bill – COVID-19 Impact on Deposit Redemption: U.S. & Canada

The COVID-19 pandemic has led most U.S. deposit states and some Canadian provinces to temporarily halt enforcement actions on retailers who Nestlé steps up global response to COVID-19 pandemic, joins suspend bottle & can redemption activities for the duration of the outbreak. forces with the International Federation of the Red Cross and Red Generally speaking, these announcements do not affect redemption centers. Crescent Societies who are free to close their doors in the interests of safety if they so choose. Announcements for selected U.S. Deposit States:

to accept empty beverage containers for redemption. Effective Mar. 17 - and enhance their quality of life. We care about our responsibility 31, then to be re-evaluated. See Official announcement by CT DEEP and to provide good nutrition, especially for the most vulnerable in Statement from Connecticut Citizens for the Environment.

accept empty deposit beverage containers. Effective for duration of this continue to produce and deliver products to meet global demand. disaster emergency. See Section 18 of the Governnor's Proclamation of Our people are fully committed and are working tirelessly to ensure Disaster Emergency.

for failing to accept beverage containers; Effective Mar. 18 - 31, then to safety measures at all our sites, with particular focus on our frontline be re-evaluated. Maine Recycling and Returnable Services (TOMRA) and workers in Nestlé factories, quality labs and distribution centers. CLYNK are both operating and picking up from redemption centers. See: Also, where needed, we are offering free meals and transport for Official announcement from Maine DEP and announcement from CLYNK. staff to help reduce the risk they fall ill. In addition, we have put in com. (March 30, 2020) Visit Bottle Bill to check the whole list of States place generous sick leave arrangements for those who contract the announcements

Moldintec – Safety Mask made from a PET PCR bottle

Update April 17: Moldintec announces that the first pilot mould has been built and tested. Find updated information about the project @Instagram

productive with the types of equipment that we use every day." The Argentinian engineers prepared two versions starting from: PCO 1881 3L bottle & PCO 48-41 6L bottle.

Rajesh Nath, Managing Director: "India is one of the most populous countries The PCO 1881 is easy to deploy, but it's slim fit to the face.... In support of converting companies that support us with preforms and We offer support by providing our VDMA members with the latest news on blowing equipment, as well as their human resources to perform post

across Europe has risen due to the spread of COVID-19. RWTH Aachen wants to help providing a connection between NEED and SUPPLY of protective wear, especially face masks. That is why ITA reacts to the lack of protective masks and has created the

production scheduleso that operations can be continued as normal and technical support can be provided. (March 26, 2020)

At Nestlé, we care deeply for people and for the communities in which we operate, and we have an essential role to play during the Connecticut: Suspension of enforcement actions against retailers for failing COVID-19 crisis. Food and beverages help keep people healthy society - children, the elderly and those struggling with illness. We lowa: Suspension of regulatory provisions requiring dealers [retailers] to would like to assure our customers and consumers that we will that supply is maintained. We are working very hard to keep them Maine: Suspension of enforcement on retailers and redemption centers healthy and safe. In recent weeks, we have implemented enhanced virus and will provide cash loans or advances for those in financial distress. All hourly and

salaried staff affected by temporary stoppages will be paid in full for a from the crisis – but instead a commitment to our valued customers minimum of twelve weeks. Since the very beginning of this crisis, our people have led substantial local relief efforts in the communities around the globe where we operate. We have provided support to charities, medical institutions and other organisations in the frontline of the fight against this pandemic. We have worked very closely with physicians to develop new tailored COVID-19 medical nutrition and supplement treatment protocols. We have also donated to food banks and food delivery organizations to support people in need. And we are providing prompt and pragmatic support to our business partners, for example in our supply chains, who are affected by this crisis. Our efforts are continuing - and stepping up - around the world.

Partnership with the International Federation of the Red Cross and Red Crescent Societies (IFRC) Building on these humanitarian efforts, we announced today that we are joining forces with the IFRC in response to its emergency appeal. The IFRC is a strong and trusted global partner of Nestlé, with unmatched presence and expertise in providing first aid, emergency response and epidemic control. The Red Cross and Nestlé were both established over a century ago. As part of the emergency response, the IFRC is providing immediate help to strengthen health care systems, where the need is greatest. Mark Schneider, CEO of Nestlé, said: "Now is the time to demonstrate the values of the Nestlé family. I am deeply impressed and humbled by what our team has accomplished in order to support individuals and communities affected by this crisis. The COVID-19 pandemic is a global problem and consequently we are offering help on the ground everywhere, drawing on our extensive presence and experience in 187 countries. In addition, we give our full support to those who are fighting tirelessly against the spread of the virus, every day. This is where our trusted and longstanding partnership with the IFRC comes in. We applaud the relentless efforts of the millions of Red Cross and Red Crescent volunteers and admire their determination to make a difference on the ground." (March 26, 2020)

Loop announces temporary reduction of activities due to COVID-19.

Loop Industries, Inc (Nasdag: LOOP) announced its measures to comply with the order of the Quebec provincial government to minimise all nonpriority services and activities until April 13, due to the ongoing COVID-19 pandemic. The order provides exemptions that allow businesses that provide non-priority services to maintain minimal operations to ensure the resumption of their activities, bearing in mind the directives issued by public health authorities. Consequently, the company will maintain reduced operations at the pilot plant and protect its investment in its assets, which are utilized for the continuing development of its depolymerization technology for the production of sustainable PET plastic. The company's main focus during the time frame of the government order will be to continue working with its joint venture partner, Indorama Ventures Limited, to oversee the engineering for the Spartanburg joint venture facility and pursue its plans for the commercialisation of its technology. The company has made arrangements for employees to work remotely to support these engineering activities. The government order is not expected to impact the company's ability to work to advance this project. The company will provide an update on the status and timing of the commissioning of the Spartanburg facility when it reports its fourth quarter and full year results in its 10-K in early May. The company continues to be in a good liquidity position, with approximately \$30 million of cash and cash equivalents on hand. (March 25, 2020)

R&D/Leverage

How may we help you and your company during COVID-19 crisis?

Dear valued customer, Shipping complications are cascading throughout the plastics industry as a result of the COVID-19 pandemic.... As manufacturers are scrambling to find domestic capacity, R&D/Leverage MAY be able to help you!

How can we help you right now?

If you need help with products and packaging for use in protecting the health of the public - specifically rigid plastics we can help.

If you need tooling for bottles that are used for hand sanitizer or disinfectants- we can help.

If you have injection moulded products that are being impeded by this crisis - we may be able to help.

Here is our promise to you. This is not a sales gimmick or a way to profit

- that we are here to help! We promise to give these projects the highest priority through our engineering and manufacturing processes. Speed to market means saved lives, and we are here to do everything possible to protect our friends and families. Let the expertise of the R&D/Leverage Team help curb the shortages that put everyone at risk. If you have an immediate need or question -PLEASE – contact your sales representative – or email us at info@ rdleverage.com, (March 23, 2020)

Nicola Schinelli, General Manager, P.E. Labellers SPA

In this social and health situation of great concern, it is our duty to give you an update on all the security measures that we have been activated, both to protect company resources as much as possible and to quarantee the correct and continuous development of operating activities. The preventive safety measures that the company has decided to undertake go beyond what is currently required by the Ministry of Health, placing the health and interests of its employees, partners and customers as a priority. For internal and external people at we have set up a screening procedure every morning on anyone who enters the company facilities, and which checks the temperature and cleansing the hands. We are equipped with internal rules to be followed with the utmost respect (of security importance, prohibition of contact, use of masks and wipes, etc.). we have installed liquid disinfectant dispensers inside and outside the PF facilities and have created various canteen shifts and the smartworking procedure has been activated for some divisions and departments. All of this, to guarantee the maximum protection and efficiency possible. To date, we would like to underline that no employee of the company, nor of any subsidiary company, has contracted the virus or has shown to be positive in the tests. We guarantee the safety of goods coming from the headquarters of the PE group: since the first signs of the spread of Coronavirus (COVID-19) we have not overlooked any checks. Our production chain is fully traceable, certified and largely verticalised. All the company's production sites, including the Italian subsidiaries, are open and in full operation: each of them continues to guarantee every usual sales and after-sales service, while paying the utmost attention to the safety standards given. We remain at your disposal for any information you need. (March 11, 2020)

Otto Hofstetter

How has the coronavirus affected your business?

"Instead of few weeks down for Chinese New Year, the business is slowing down for almost 6 to 8 weeks. Our subsidiary has been back to work in full operation. For some customer visits Mainland China. (Service requests) travel is complicated and time-consuming to get permission from the companies and authorities involved. Service interventions abroad (like Japan/South Korea/SEA) aren't possible at this time with our local Service team, based in Shenzhen," (March

Sacmi Imola

How has the coronavirus affected your business?

"Sacmi is an international company. For this reason we have, since the earliest stages of the emergency, taken all necessary precautions to safeguard the health of our staff and the communities concerned. The Covid-19 emergency will, naturally, have an impact on our economies and, therefore, on business relations between our countries, which are, at this time, severely restricted. That said, we're highly confident that the measures put in place by the national authorities can achieve the desired goal and open the way towards a new phase of development." (March 2020)

CHT Group

How has the coronavirus affected your business?

"It recently started to affect our business as customer visits and exhibitions were cancelled, lead times especially in Asia needed to be adjusted and internally precautions were done. Especially in China many companies have not yet started after Chinese New Year holidays and bottle sources have plummeted. The falling crude oil price is resulting in a bigger gap between the recycled PET and virgin PET, which has another negative influence on the recyclers in Asia." (March 2020)