

# 脱炭素社会の実現に向けて

“Towards the realization of a decarbonized society”

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世界的に猛威を振るった新型コロナウイルスも漸く収束し、コロナ禍前の日常に戻ってきました。原材料を含む数多くの部材の入手難も一部を除いて落ち着きを取り戻しております。一方米中関係は緊張が続いており、ウクライナ情勢も解決の兆しが見えません。為替も円安が当面続くとの見方から様々な業界におけるサプライチェーンの再構築が必要な状況となっております。ここ数年活況だった半導体関連の設備投資も鈍化傾向です。製造業各社における部材や製品の在庫も積み上がっており、当面は厳しい状況が継続すると思われます。

このような状況の中でも脱炭素社会に向けた取り組みは大きく注目され、モノづくりににおいても環境目線は無くてはならないものとなっております。TCFDの開示や賛同、Scope1,2,3への取り組みなど大企業だけでなく数多くの中小企業においても避けては通れない状況となっております。

今回お届けするCKD技報Vol. 10の巻頭特集のテーマは「脱炭素社会」です。「リチウムイオン電池用巻回機の高軸巻芯による巻回工程の最適化」「円筒形太陽電池の製造技術開発」などカーボンニュートラルの実現に向けた技術テーマを掲載しました。皆様の活動に少しでもご参考になれば幸いです。

CKDグループは持続可能な社会の実現に向けてお客様と共に歩んで参ります。

引き続き皆様からのご指導、ご鞭撻をよろしくお願い申し上げます。

COVID-19, which raged around the world, has finally been brought under control, and we have returned to the everyday life of prior to the pandemic. The difficulty of obtaining many raw materials and other parts, has, with some exceptions, regained stability. On the other hand, US-China relations continue to be tense, and the situation in Ukraine shows no signs of resolution. As the yen is expected to continue to weaken for the foreseeable future, the rebuilding of supply chains will be necessary in various industries. Semiconductor-related capital investment, which has boomed in recent years, is also tending to slow down. Inventories of parts and products at manufacturing companies are also piling up, and it seems the difficult situation will continue for the time being.

In such circumstances, initiatives for a decarbonized society have attracted considerable attention, and there must be an environmental perspective in manufacturing. TCFD disclosures and the endorsement of the framework, as well as initiatives for Scope 1, 2 and 3 emissions, have become unavoidable not only at large companies, but also at many small and medium-sized enterprises.

The theme of the special feature at the beginning of this CKD Technical Journal Vol. 10 is “decarbonized society.” It provides information on technical themes for the realization of carbon neutrality such as “optimization of the process of winding using the multi-axis winding cores of a lithium ion battery winding machine” and “the development of cylindrical solar cell manufacturing technology.” We hope that this will be of reference to you all in your activities.

The CKD Group will work together with customers towards the realization of a sustainable society. Please continue to provide us with your guidance and encouragement.