

Electric Vehicle Supply Chain

Clients leverage our team's deep expertise in providing guidance throughout the EV supply chain continuum.



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Electric vehicles (EVs) no longer represent the future of the automotive industry; they have become a permanent fixture in today's landscape. With governments and car manufacturers focusing on a wholesale shift to EVs within the next decade, the associated supply chain is now more important than ever — and that means increased opportunities for business.

In addition to recent federal and provincial government investments of tens of billions of dollars, a combination of factors makes Canada an ideal place to do business in this sector — from our rich natural resources to the country's strong environmental credentials, emphasis on clean energy (including hydro power in the Province of Québec), vibrant startup and entrepreneurial community, qualified labour force and cutting-edge higher education. According to *Bloomberg*, Canada is at the forefront of the industry, second only to China in global top 30 EV supply chain rankings.

Canada is a key player in the natural resources, energy transition and renewable energy fields. It was also a key contributor specifically to the automotive sector for decades. Naturally, therefore, Canadian companies are playing a pivotal role in the expansion and mainstreaming of the EV industry, both as innovators of the technology and suppliers of the resources necessary for battery manufacturing, including lithium, cobalt and copper.

How we can help

The EV supply chain spans a broad range of processes and stakeholders, from suppliers of raw materials for battery development and manufacturers of component parts, to vehicle assemblers and providers of charging infrastructure, to service, maintenance and end-of-life recycling. Osler has supported clients along every step of the way as this market and the supporting technologies have evolved and disrupted the conventional combustion engine vehicle industry. Our firm is ideally positioned to share the insight we've gleaned from our experience to help you reach your goals and strategic objectives in the North American and global supply chains.

Osler is experienced in supporting EV manufacturers and suppliers in all legal and business matters, such as major transactions, technology, project financing, construction, regulatory, including zero-emission vehicle (ZEV) requirements, employment, intellectual property, product liability, privacy and data security issues. The firm's lawyers have a deep

understanding of the full range of investment vehicles, mechanisms, contracts, and commercial agreements used for electrical vehicle, critical mineral and battery projects across Canada.

Clients regularly leverage our lawyers' deep expertise in providing guidance throughout the EV supply chain continuum:

Stage	Process	Osler services
Raw materials supply	Raw materials – including lithium, cobalt, nickel and graphite – are extracted and processed for EV production.	<ul style="list-style-type: none">• <u>Corporate</u>• <u>Mining</u>• <u>Energy (Power)</u>• <u>Environmental</u>• <u>Indigenous</u>• <u>Project finance</u>• <u>Tax</u>• <u>Competition and foreign investment</u>• <u>Environmental, social and governance (ESG)</u>
Battery manufacturing	Using raw materials, battery manufacturers assemble battery cells and integrate them into battery packs, ensuring their quality, performance and safety.	<ul style="list-style-type: none">• <u>Corporate</u>• <u>Energy (Power)</u>• <u>Emerging and high growth companies (EHGC)</u>• <u>Technology</u>• <u>Project finance</u>• <u>Commercial (Supply chain and distribution)</u>• <u>Regulatory</u>• <u>Tax</u>• <u>Competition and foreign investment</u>• <u>Environmental, social and governance (ESG)</u>
Component manufacturing	These manufacturers produce necessary parts and systems, including electric motors, power electronics, charging systems and infotainment systems.	<ul style="list-style-type: none">• <u>Corporate</u>• <u>Technology</u>• <u>Emerging and high growth companies (EHGC)</u>• <u>Intellectual property (IP)</u>• <u>Automotive</u>• <u>Project finance</u>• <u>Commercial (Supply chain and distribution)</u>• <u>Litigation</u>• <u>Tax</u>• <u>Competition and foreign investment</u>• <u>Employment and labour</u>

Vehicle assembly	Assemblers integrate all the components and systems into a complete electric vehicle, overseeing the final assembly, quality control and testing processes.	<ul style="list-style-type: none">• <u>Corporate</u>• <u>Automotive</u>• <u>Tax</u>• <u>Competition and foreign investment</u>• <u>Employment and labour</u>• <u>Infrastructure/P3</u>• <u>Project finance</u>• <u>Municipal</u>• <u>Real estate</u>• <u>Technology</u>• <u>Emerging and high growth companies (EHGC)</u>• <u>Technology</u>• <u>Privacy</u>• <u>Corporate/commercial</u>• <u>Employment and labour</u>• <u>Environmental</u>• <u>Intellectual property (IP)</u>• <u>Commercial (Supply chain and distribution)</u>• <u>Environmental, social and governance (ESG)</u>• <u>Litigation</u>
Charging infrastructure	Providers develop and deploy charging stations, including in cities, highways and parking lots, as well as home charging solutions.	
Service and maintenance	Service providers offer maintenance, repairs and software updates for EVs, including battery servicing and replacement.	
End of life	When batteries no longer serve their original purpose, they can be reused or recycled.	

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