After-sales battery quality issues

How does after-sales service capacity affect product decisions?
In a PSS, product decisions would be affected by the after-sales service capacity. For example, electric vehicle (EV) enterprises, such as Tesla in the US and BYD and NIO in China, continuously expand the number of their charging stations, which can be regarded as after-sales service capacity (Yoo et al., 2021).

Why is automotive Li-ion battery remanufacturing a problem?
Li et al. (2018) argue that the uncertainty surrounding the production capacity, Li-ion battery demand and supply, as well as the automotive market is still emerging. This makes stakeholders reluctant to participate in the EV market and consequently holds back automotive Li-ion battery remanufacturing.

Why do batteries have a low value?
Two main reasons can be found. On the one hand,it must be noted that different sources of the study indicate challenges regarding 'quality and yield' in recycling. This results in a low value of the secondary materials. On the other hand,the small amounts of spent Li-ion batteries result in missing economies of scale.

What happens if a battery is processed after the end-of-life?
In the same way, the batteries that are processed after the end-of-life will supply the forward flow with secondary raw materials, remanufactured batteries, or second-life batteries.

Is technology a problem for EV production & battery recycling?
This demonstrates the uncertainty delivered by a lack of technology that was also expected given the early stage of EV production and battery recycling. For instance, Harper et al. (2019) refer to how the variety of battery cells, compositions, and architectures will impose challenges for battery recycling.

How will a change in vehicle sales affect the aftermarket?
As the other CASE trends emerge,the total number of new vehicles sold is expected to decrease. Any drop off in new vehicle volume will directly impact the total sales potentialin the aftermarket. Similarly,a shift in market dynamics from personal ownership to fleet could result in more pressure on price and slimmer margins.

1 ??· Lithium-ion batteries (LIBs) are fundamental to modern technology, powering everything from portable electronics to electric vehicles and large-scale energy storage systems. As their ...

Battery demand is expected to continue ramping up, raising concerns about sustainability and demand for critical minerals as production increases. This report analyses ...

Due to increasing demand for electric vehicles and short innovation circles of battery, production, and recycling technology, different uncertainties need to be faced at different stages of the supply chain. However,

a qualitative analysis of the uncertainties and their sources is ...

Impacts of the service and risk-averse attitude in a PSS are studied. In this paper, we investigate a service-oriented manufacturer that provides fashionable products with after ...

The quality inspection department rigorously manages the entire process to ensure that the produced batteries meet or exceed the quality standards set by the technical department. They collect feedback on quality information and ...

Due to increasing demand for electric vehicles and short innovation circles of battery, production, and recycling technology, different uncertainties need to be faced at ...

In this paper possible changes for the aftermarket and the accompanying alterations for the stakeholders of the market are derived. you can request a copy directly from ...

Findings - After-sales service quality affect satisfaction, which in turn affects behavioural intentions. Hence, after-sales services affect the overall offering and thus, the quality of the ...

Which brand of laptops are good and which ones are bad in India in terms of after sales service, frequency of malfunctions... Skip to main content. Open menu Open navigation Go to Reddit Home. r/IndianGaming A chip A close button. Get app Get the Reddit app Log In Log in to Reddit. Expand user menu Open settings menu. Log In / Sign Up; Advertise on Reddit; Shop ...

In a world where customers expect exceptional customer service and a sustainable solution, automotive original equipment manufacturers (OEMs) must carefully manage the risks associated with battery warranty failures and establish an effective aftermarket strategy.

In this article, we"ll first define battery quality and related concepts such as battery failure and reliability. Then, we"ll discuss the available battery quality control options for cell producers and OEMs. Finally, we"ll outline one ...

1 ??· Lithium-ion batteries (LIBs) are fundamental to modern technology, powering everything from portable electronics to electric vehicles and large-scale energy storage systems. As their use expands across various industries, ensuring the reliability and safety of these batteries becomes paramount. This review explores the multifaceted aspects of LIB reliability, highlighting recent ...

It is critical for OEMs to start planning for the emergence of battery electric vehicles (BEVs) as this trend has the potential to have the biggest impact on aftersales in the short term. Global sales of BEVs reached more than one million units for the first time in 2017 increasing 54 per cent over 2016 and surpassed two million units in 2018 .

After-sales battery quality issues

Expected frequency of packs with a defective battery cell. The first thing you"ll notice is that Tesla uses ten to twenty times as many cells per pack relative to the models from ...

Industry-leading After Sales support. Parts. Using genuine SCARAB OEM parts not only keeps your vehicle to the exact same specification as when it left the factory but ensures optimum quality parts which won"t affect and degrade your sweeper"s performance. Find your local SCARAB Parts Distributor here. If no one is available in your region, please contact us at ...

However, inconsistencies in material quality and production processes can lead to performance issues, delays and increased costs. This comprehensive guide explores cutting-edge analytical techniques and equipment designed to optimize the manufacturing process to ensure superior performance and sustainability in lithium-ion battery production.

Web: https://reuniedoultremontcollege.nl