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This report discusses the concept of autonomous personal air vehicles (APAVs), specifically electric vertical take-off and landing (eVTOL) aircraft. It explains that eVTOLs use electric power and multiple electric motors to power propellers and wings for takeoff, landing, and flying.

The report then goes on to discuss the potential applications of machine learning in the eVTOL market, including weather forecasting, traffic congestion analysis, optimal landing location determination, real-time dispatching and routing decisions, precision landing, and air traffic control.

The report also mentions the potential markets for eVTOLs in agriculture, emergency medical services, and logistics. The learning outcomes of the report are that machine learning is an important aspect of VTOL and can be used to create new products and changes in the VTOL and eVTOL sector while reducing labour and costs.

The report advises that manufacturers should consider various factors, such as cost, distance, and charging, when creating successful products and maintain monitoring to make necessary adjustments and improve over time.

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