

Reusing Alternates across Business Units

Challenges Faced:

- Lack of visibility of components used in other business units.
- Inability to derive potential alternates using BoMs from other business units.

Implemented Solutions:

- Our tool can consolidate the complete bill of material from various business units and detect alternative parts within it.
- We identify potential alternate options by analyzing bills of materials from other business units.
- In cases where alternate options are not readily available from other bills of materials, we leverage the iLenSys part database to identify potential replacements for those parts.
- We identify various types of alternatives, including drop-in replacements, aftermarket sources, and part substitutions that may require requalification or re-design.

Results:

- Identified approximately 25% of the potential alternatives by utilizing the BoMs of other business units.
- For the remaining 75% of alternatives, we leveraged the iLenSys part database to identify suitable replacements from the open market.
- Improved visibility of components used across business units and increases the efficiency in identifying potential alternates.

Business Benefits:

- The amount of time needed to identify alternative parts was decreased by 25%. This also means that for a quarter of the time, there is no need to search for alternative parts on the open market.
- For 25% of the time, the implementation was significantly faster as the alternative parts had already been qualified in other BoMs.