

Problem Overview

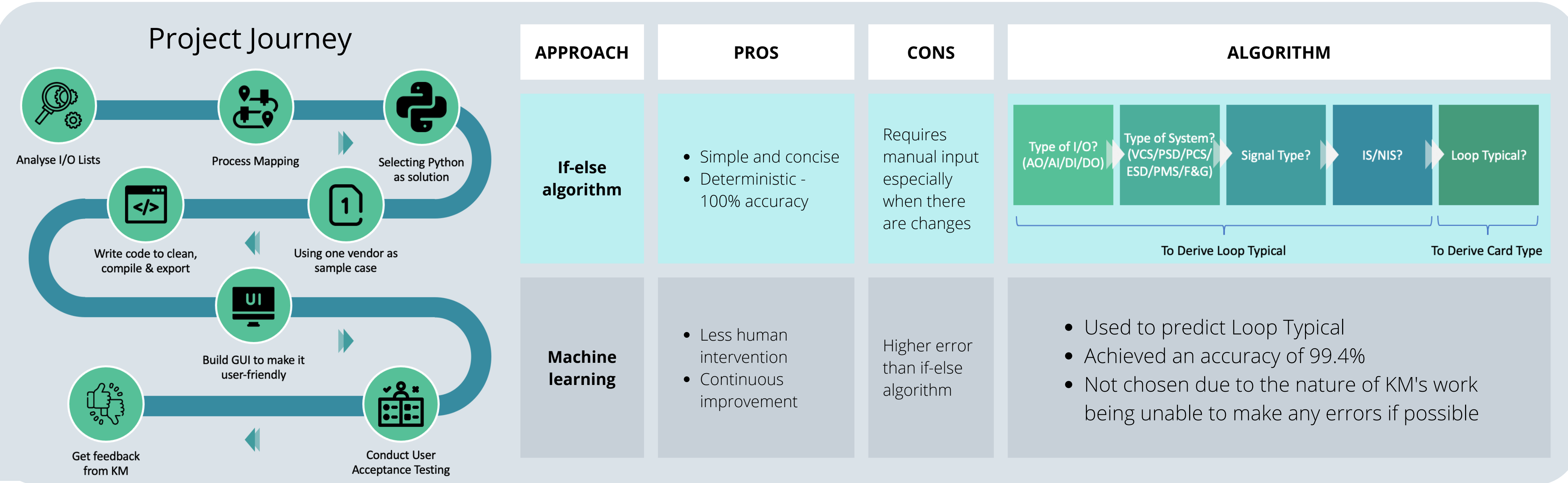
Kongsberg Maritime (KM) receives multiple lists from different vendors and manually integrates the vendors' list into a standardised Master Input & Output (I/O) List before distributing it to the different departments. Due to the large amounts of data in a project, an average of 100 hours is taken to perform the integration and allocation of signals. Furthermore, manual integration potentially increases the amount of human-induced errors, adding unwanted time to the process for error correction.

Objectives

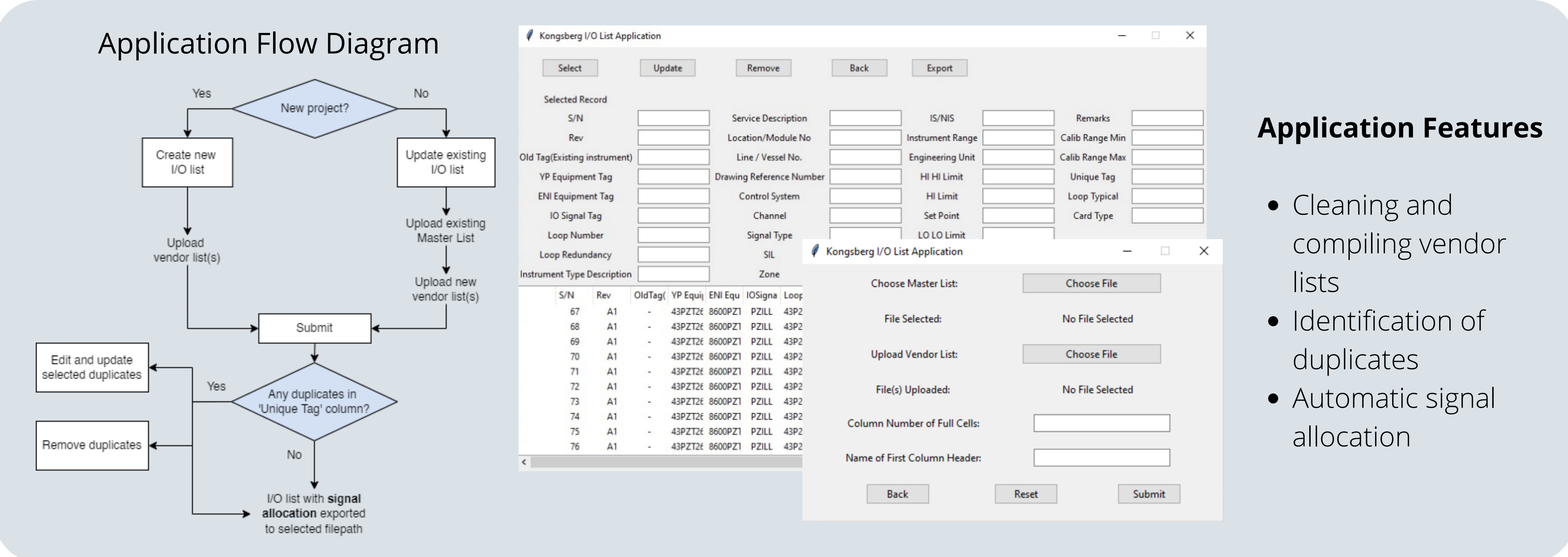
Reduce the time required to document I/O list by:

1. Automating, executing and managing I/O documentation
2. Creating a user-friendly interface for a diverse group of end-users
3. Devising a highly reusable solution for different vendors

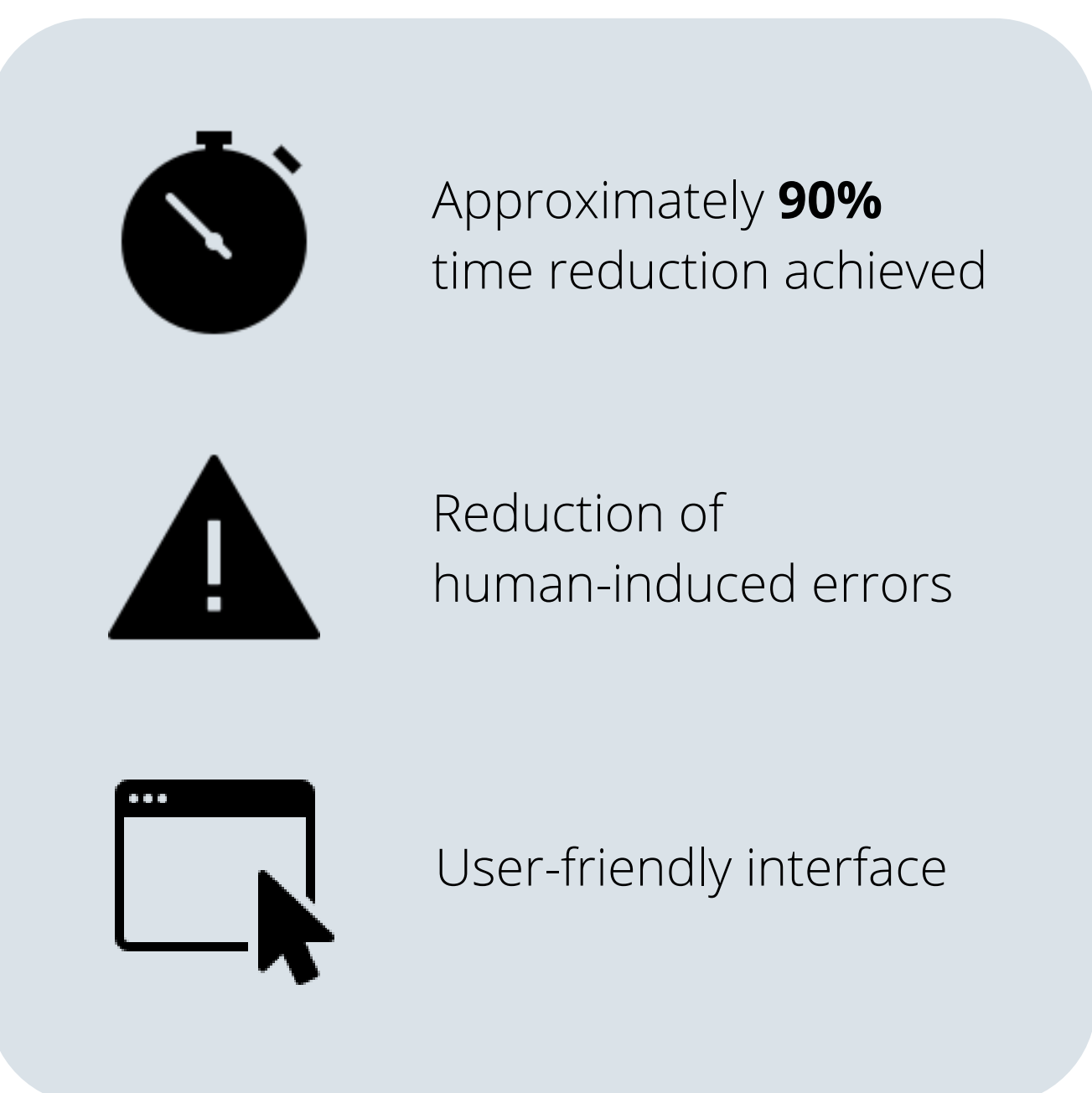
Methodology



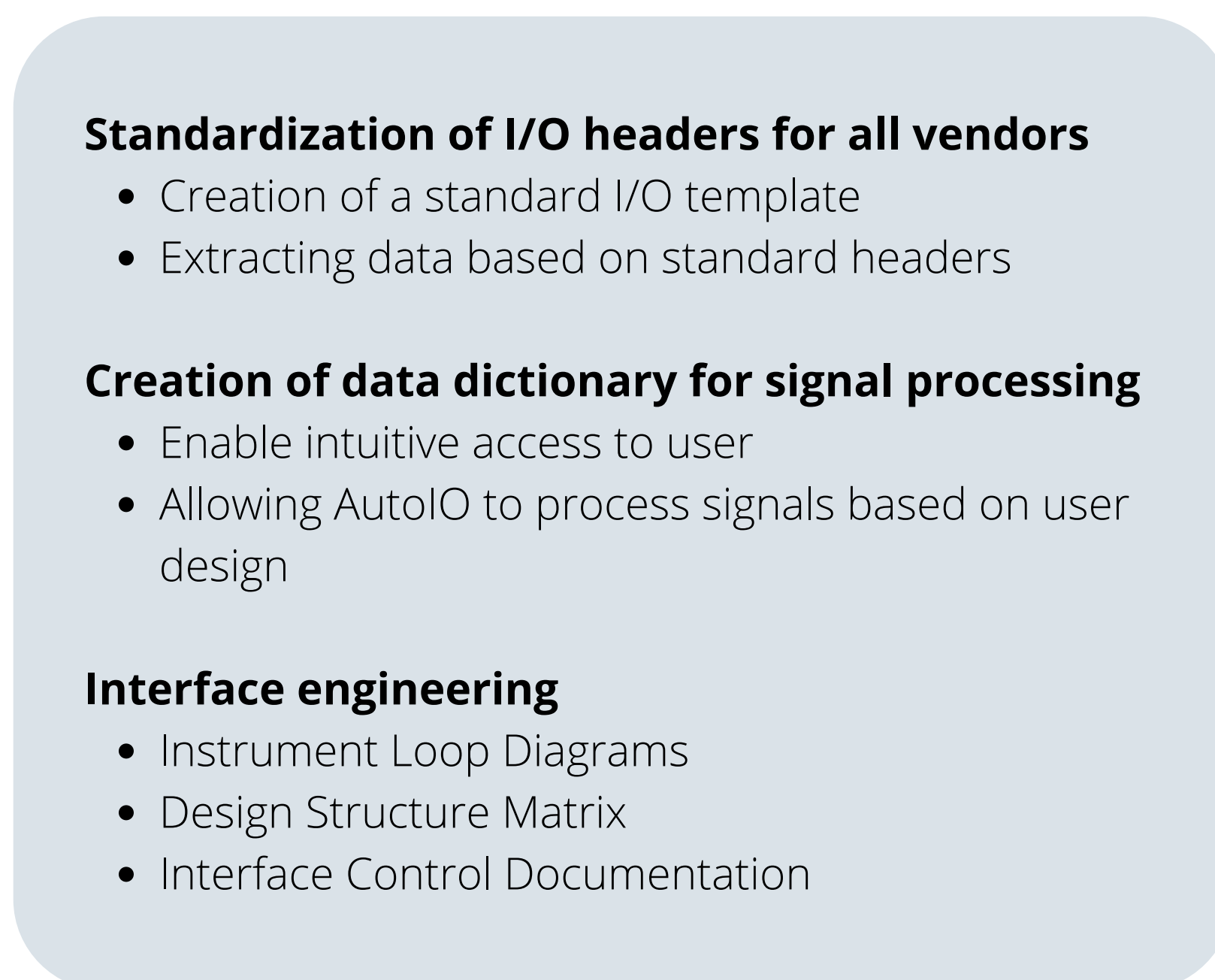
Proposed Solution - Graphical User Interface



Evaluations & Benefits



Future Directions



Skillsets Acquired

