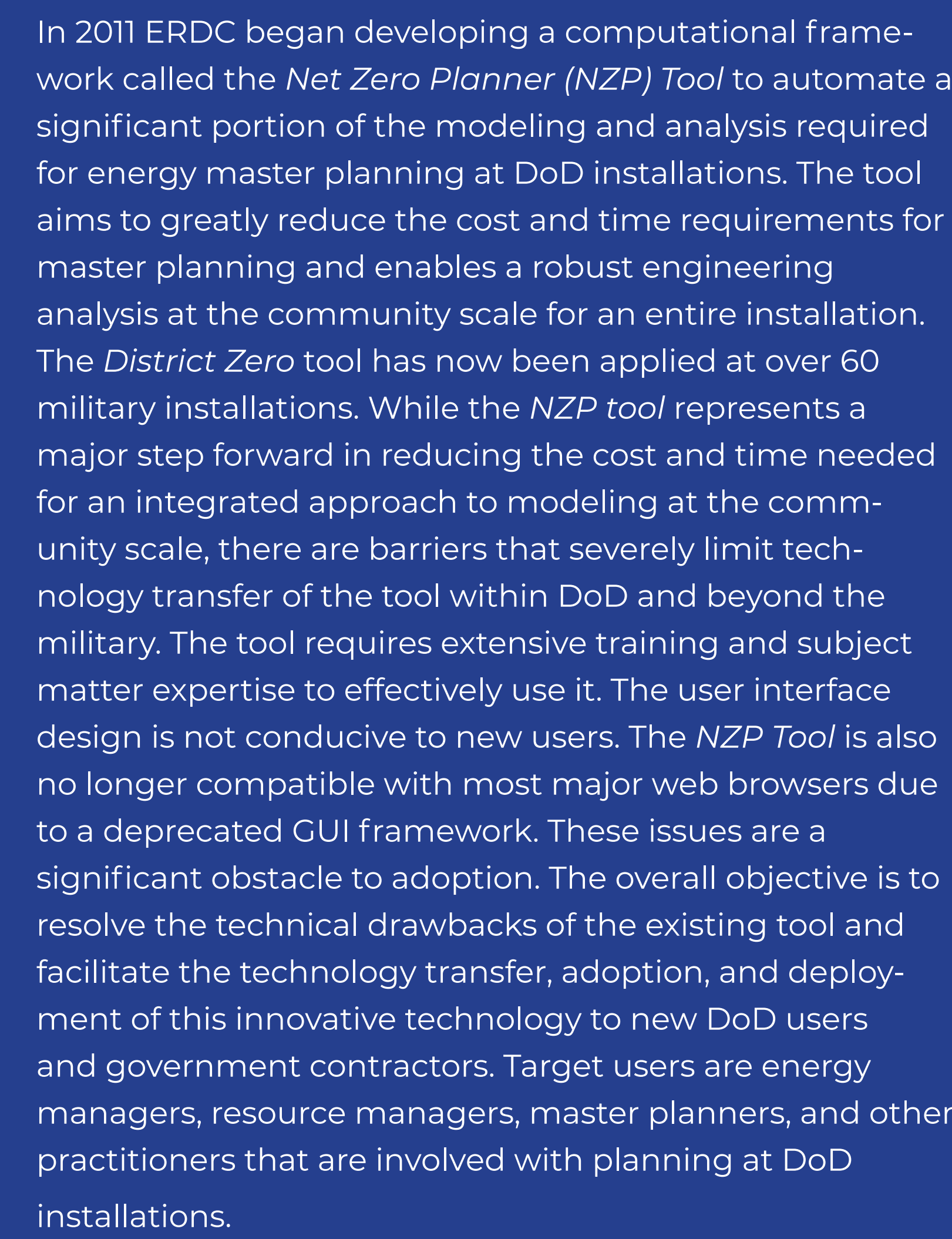
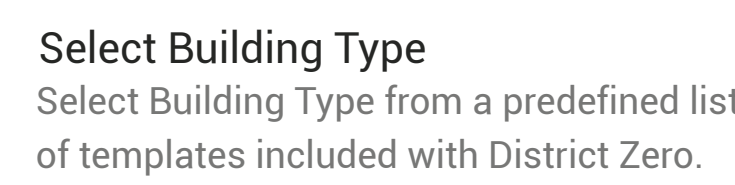


a decision-making tool for net-zero communities



The specific technologies for the project include both new software improvements and new services for users. On the software side, the existing technology stack for the *NZP Tool* will be upgraded to completely replace the deprecated GUI framework with a leading open source solution. The change in GUI framework will require the user interface to be completely rebuilt. The change will provide a natural opportunity for a comprehensive redesign and rethinking of the user interface and user experience. Together the new GUI framework and new user interface will address the main technical barriers for broader adoption and deployment. Along with software improvements, the project also includes new services to facilitate technology transfer. Services include the development of commercial grade training and user support services.

The direct benefit to DoD of the proposed project is a better tool that—along with associated training and support services—improves the prospects for technology transfer and readiness for broader adoption and deployment. By extension, improving the technology transfer of the tool to practitioners—both inside and outside of DoD—also acts as a multiplier for all of the benefits of the *District Zero* tool. The *District Zero* tool can help reduce the cost and time needed to perform integrated master planning studies for energy, water, and waste. Demonstration results under previous work suggest that the use of the *District Zero* tool dramatically reduces the cost (by more than 50%) of developing an energy master plan for an installation. Less expensive master planning can lead to more frequent and more rigorous planning—both of which can help improve environmental sustainability, resource efficiency, and operational resilience at installations. If broadly adopted and deployed, the *District Zero* tool has the potential for wide scale impact. The *District Zero* tool has already been applied at numerous installations and is likely applicable at the vast majority of DoD installations.



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