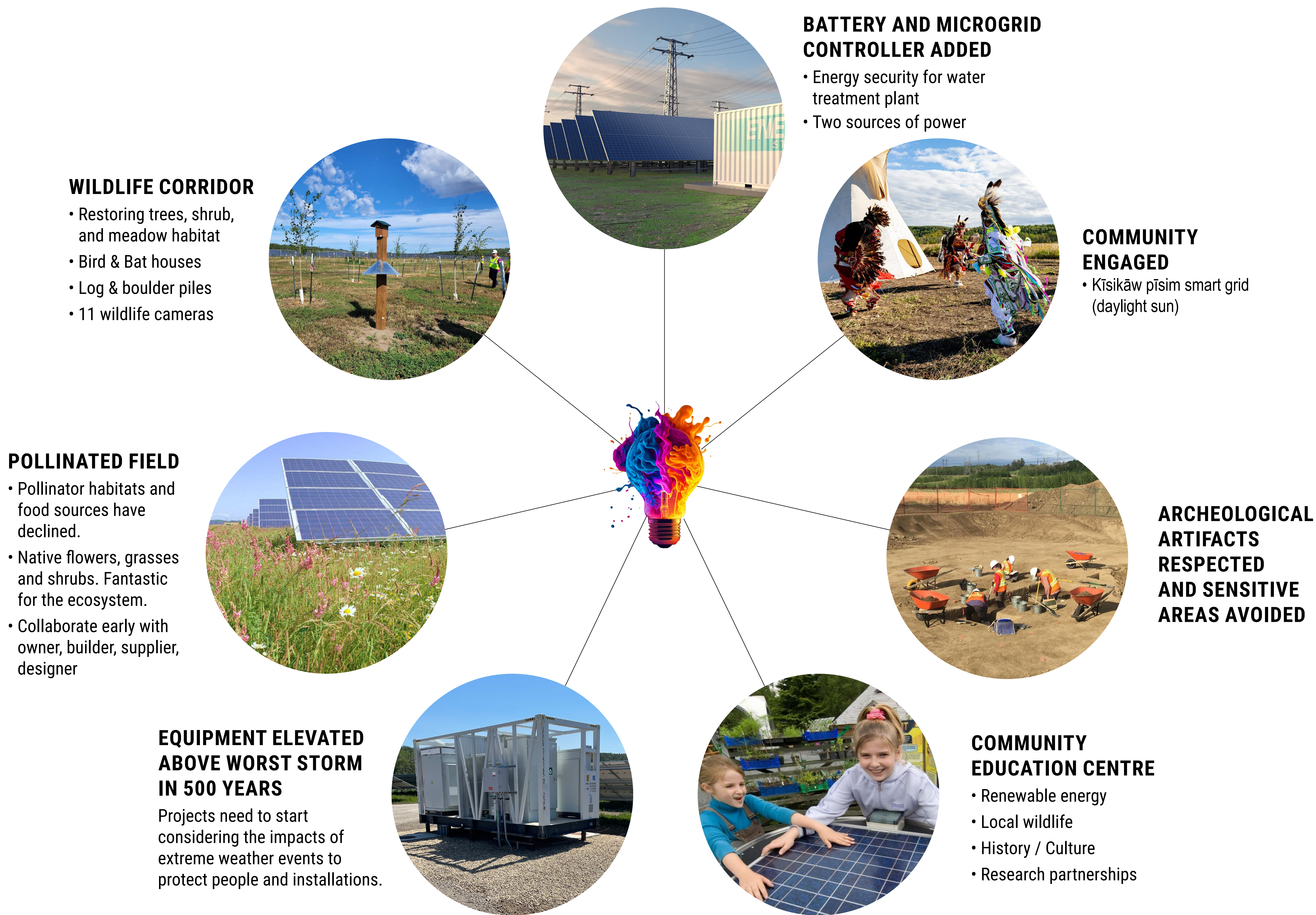


Holistic Mindset for Resilient Power Generation

Upfront 3P Brainstorming = Better Project



STORY

1. Detested to loved solar project
2. The 16MWdc solar farm project was cancelled in 2018 due to public opposition.
3. In 2021 the same project was approved after brainstorming and adding multiple innovative ideas that improve the social, environmental, and economic aspects of the project.
4. This complex 16MWdc/ 13.6MWac Solar + 4MWh Battery project is connected behind the meter directly to the EL Smith Water Treatment Plant in Edmonton, Alberta.
5. The Water Treatment Plant provides 60% of the drinking water for Edmonton and more than 90 surrounding communities.
6. The kīsikāw pīsim solar and battery microgrid was commissioned in fall 2022.
7. The name kīsikāw pīsim, gifted by Enoch Cree Nation, means “daylight sun” in Cree.
8. The solar array and battery supply approximately 70% of the water treatment plant’s electricity needs, provides energy security, lowers electricity costs, lowers greenhouse gas emissions, supports education and research, supports the community and supports the environment.
9. NASA engineers also apply a brainstorming process to find creative solutions: 1) Understand requirements and constraints, 2) Brainstorm potential solutions for each requirement, and c) Question and test the viability of promising ideas.

DESIGNS THAT CONSIDER A TRIPLE BOTTOM LINE (PEOPLE, PLANET, AND PROSPERITY) ARE THE PROJECTS WE WANT TO SEE IN OUR COMMUNITIES.



DOWNLOAD
DIGITAL POSTER



CONTACT
Jose.Walsh@stantec.com