

Notes for Essay on SBE Journal Article

Summary of the success story:

- Companies seem very different but could align goals and both benefit
- Low risk thanks to DOE funding
- Original objective exceeded after overcoming multiple obstacles
- resulting in huge competitive advantage due to faster production cycle

Main success contributors

- combined effort
- DOE funding
- starting early \rightarrow competitive edge

Main challenges that were overcome

- financial struggles
- computational resources
- scepticism towards new method in engineering
- validation on subjective criteria
- Tynes are complex
- legal stuff: CARDA

Main message for industry and government today

- It's important but there are concerns
- How to make the SBE switch while keeping risk low
- involve HPC providers