

**Discussion of Willis
Jensen's Statistical
Engineering Case Study:
Using Networks to Help Determine
Associate Contribution at Gore**

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Were networks used to pick discussants?



Ranking via Pairwise Comparisons

This case study is well aligned with the statistical engineering definition

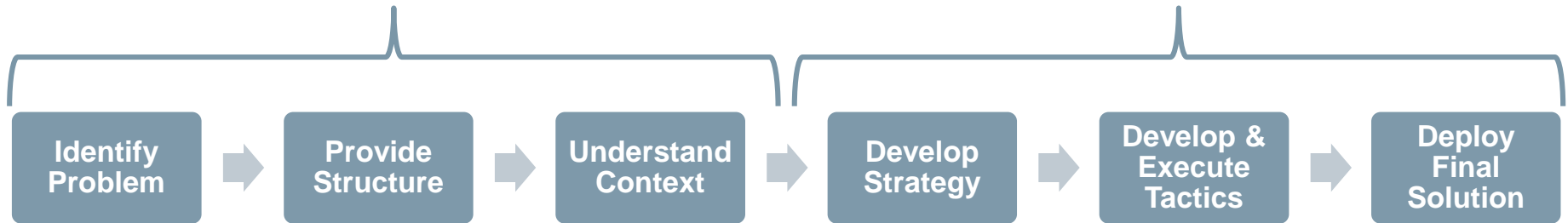
The discipline of statistical engineering is the study of

- the systematic integration of statistical concepts, methods, and tools,
- often with other relevant disciplines,
- to solve important problems
- sustainably.

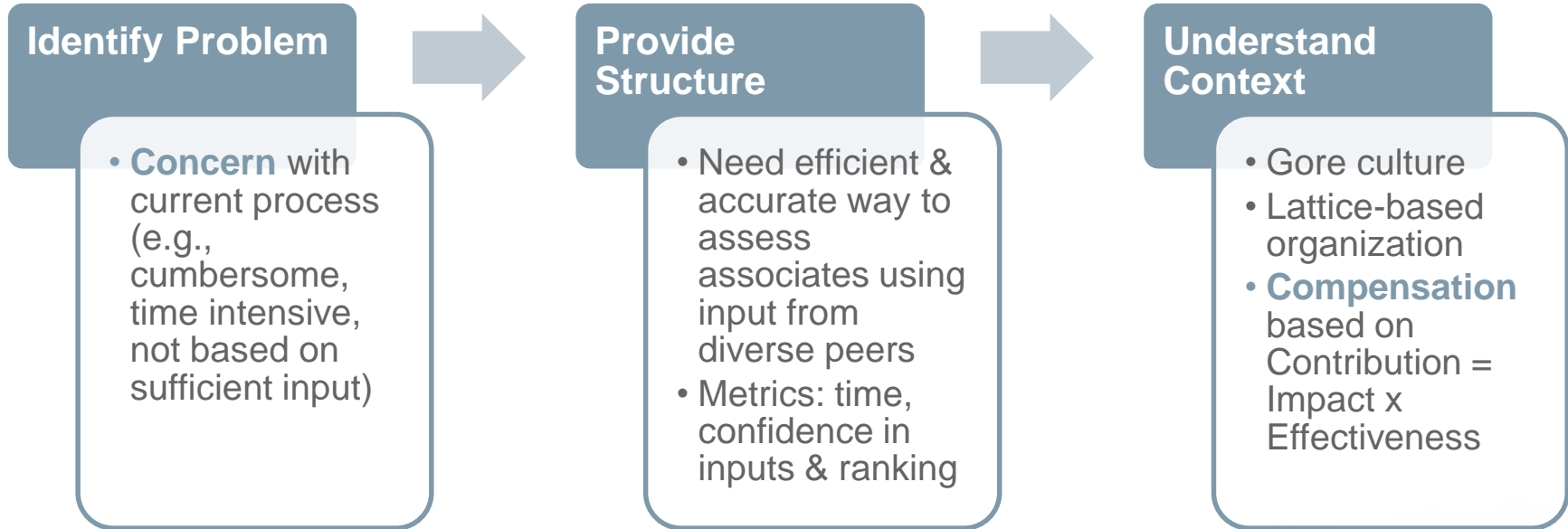
This case study followed the framework for tackling statistical engineering projects

Define & Clarify Problem

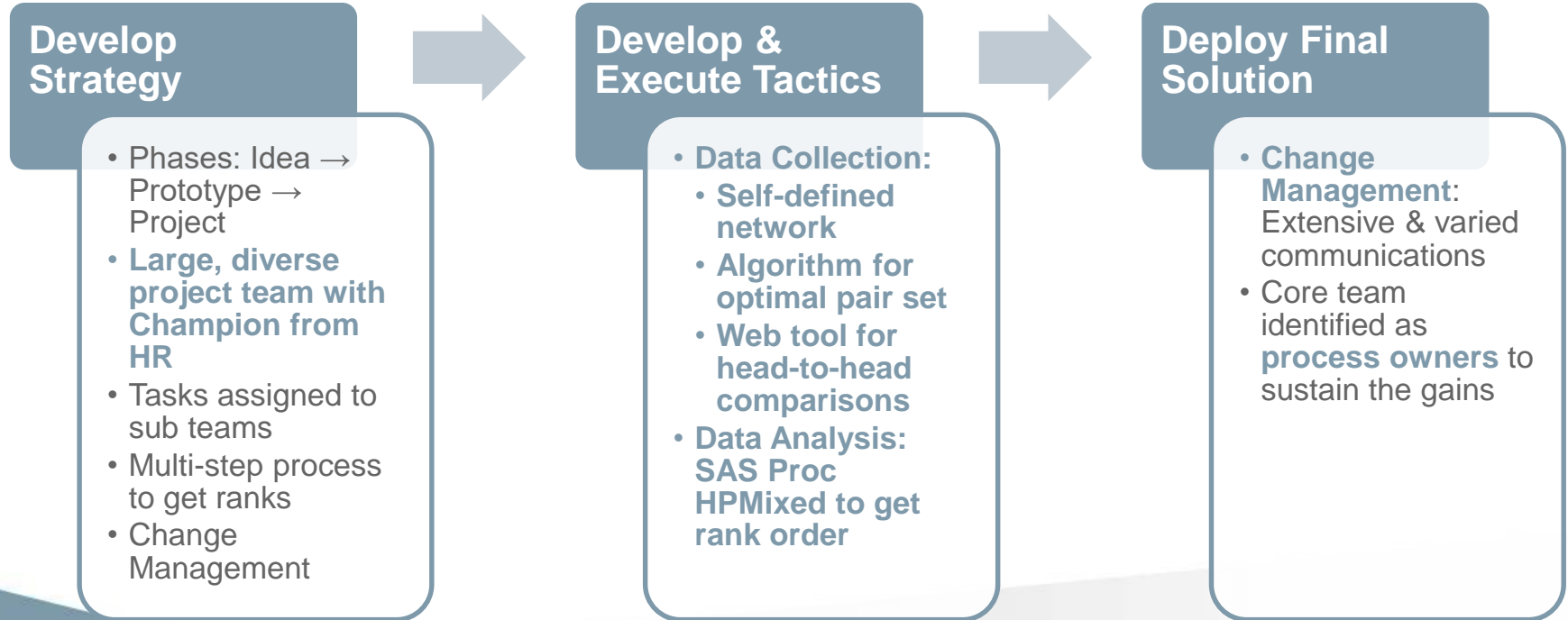
Identify & Deploy Solution



Steps to define & clarify problem



Steps to identify & deploy solution



Without statistical engineering

- This problem may have never been addressed
- A suboptimal solution may have been identified
- The solution may not have been adopted (or sustained)

Additional opportunities for the use of statistical engineering core competencies

- Could the tactical flow unit operations have been utilized in the problem clarification, solution development, or scale-up?



- Could specific metrics have been defined to clearly determine if the new process worked?

Questions for Willis & the group

- Do you think it is easier or harder to use the statistical engineering framework and core competencies at an organization such as Gore?
- What is the ideal organization for statistical engineering?