

Broad problem
formulation and
module breakdown

Section 2.1

**Development &
validation** of each
simulation module

Section 2.2

Full optimization
**problem
formulation**

Section 2.3

Problem
characterization and
solution process

Section 2.4

Iteration based on trial optimization results

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graph LR; S2.1[Section 2.1] --> S2.2[Section 2.2]; S2.2 --> S2.3[Section 2.3]; S2.3 --> S2.4[Section 2.4]; S2.4 --> S2.1; S2.4 --> S2.2; S2.4 --> S2.3;
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The diagram illustrates a four-stage iterative process. The stages are represented by chevron-shaped boxes pointing right: an orange box for 'Broad problem formulation and module breakdown' (Section 2.1), a yellow box for 'Development & validation of each simulation module' (Section 2.2), a green box for 'Full optimization problem formulation' (Section 2.3), and a blue box for 'Problem characterization and solution process' (Section 2.4). Below these boxes, a thick blue line with four upward-pointing arrows indicates an iterative feedback loop. The text 'Iteration based on trial optimization results' is centered along this line. The arrows point from the bottom of each stage back to the bottom of the preceding stage, showing a feedback loop from the final stage back to the first, and also from the final stage back to each of the intermediate stages.