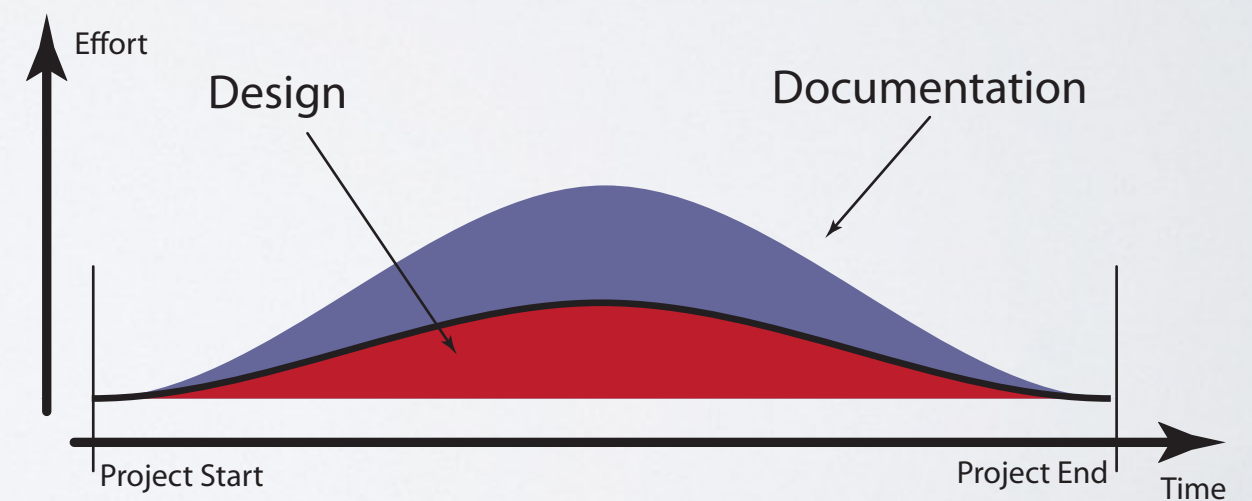
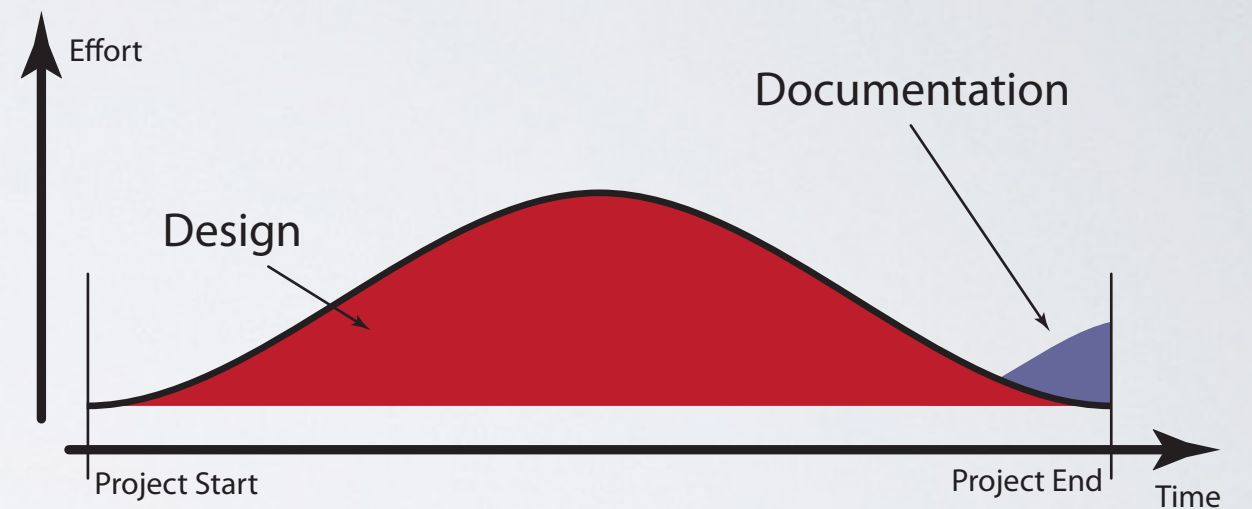
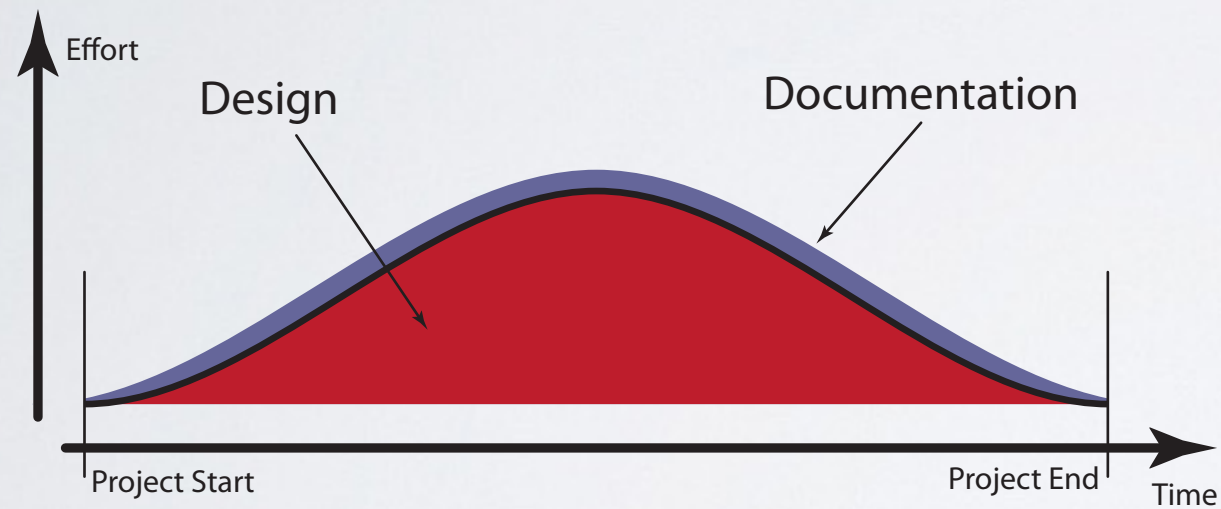


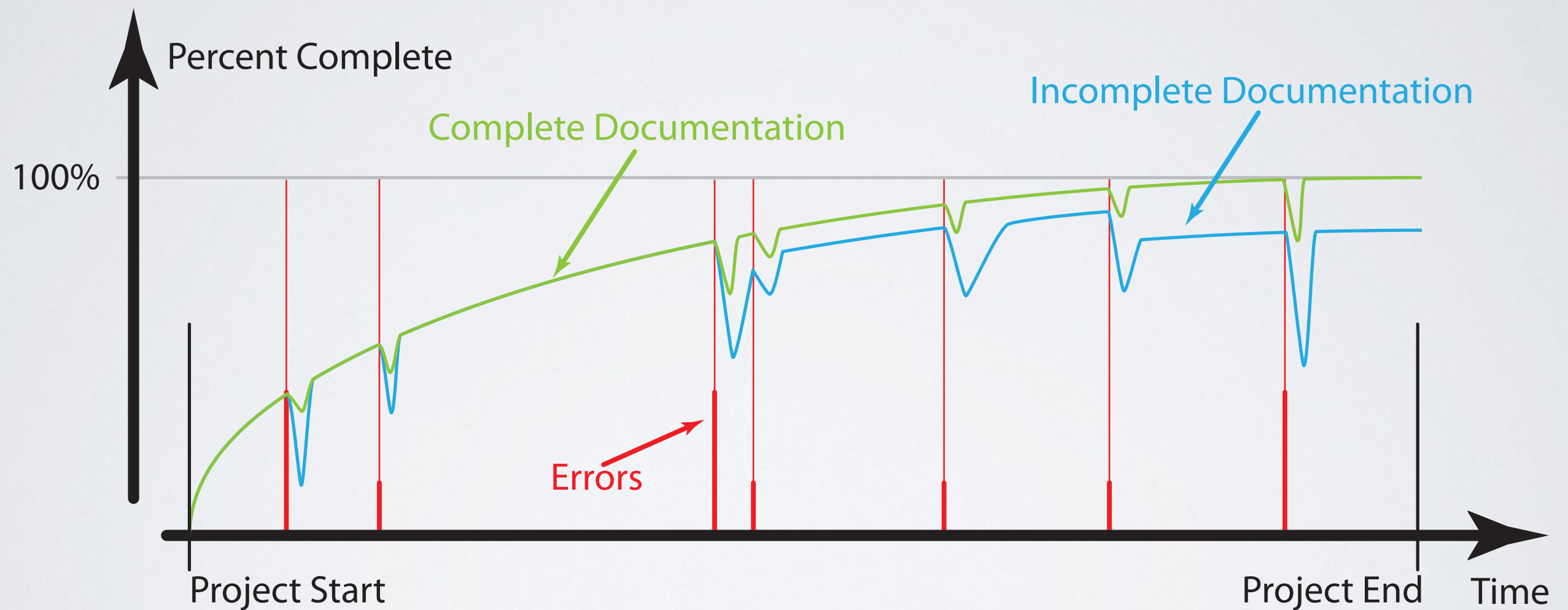
DESIGN BY DOCUMENTATION

The Engineer Accelerator
Malcolm Knapp

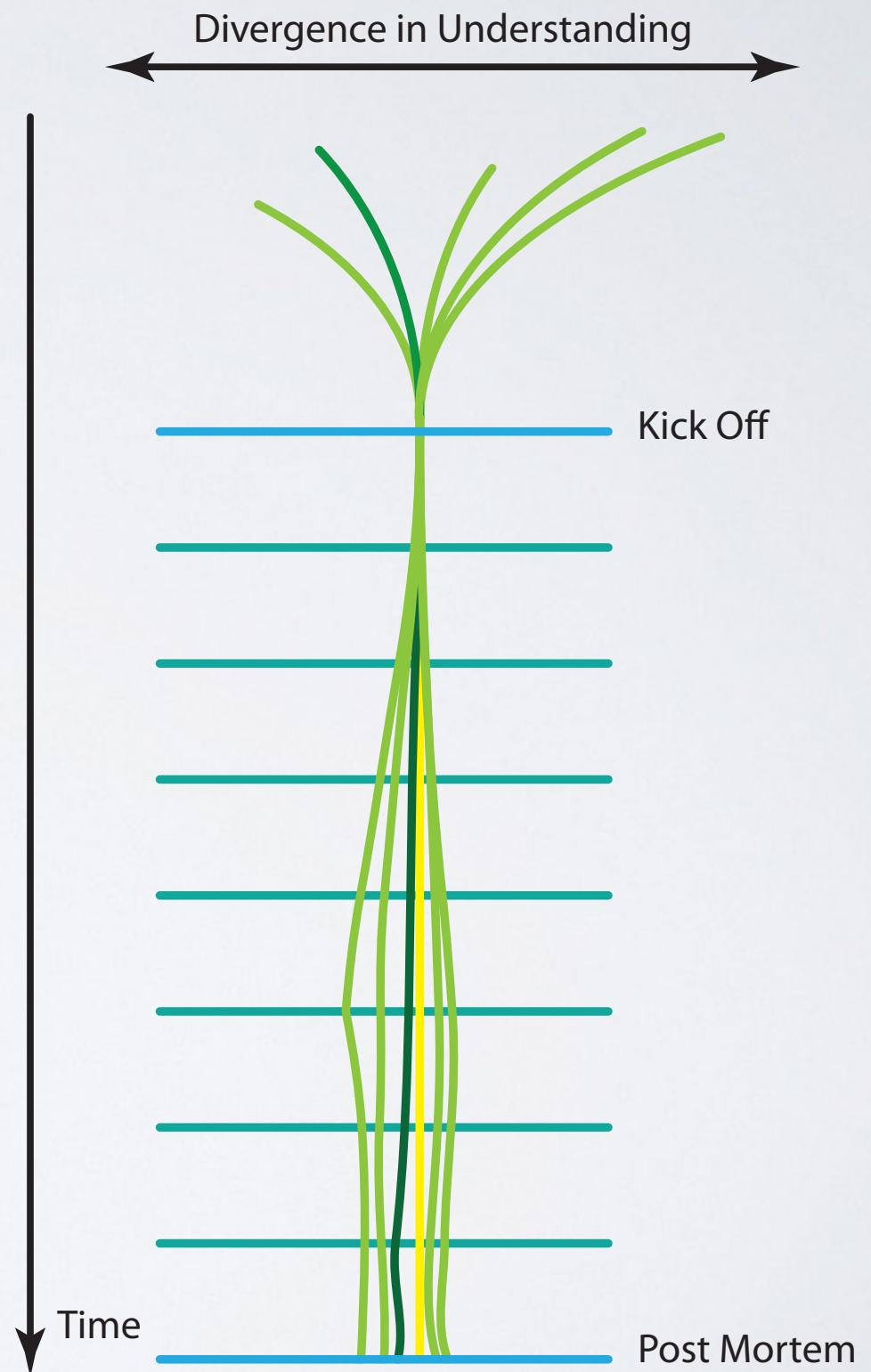
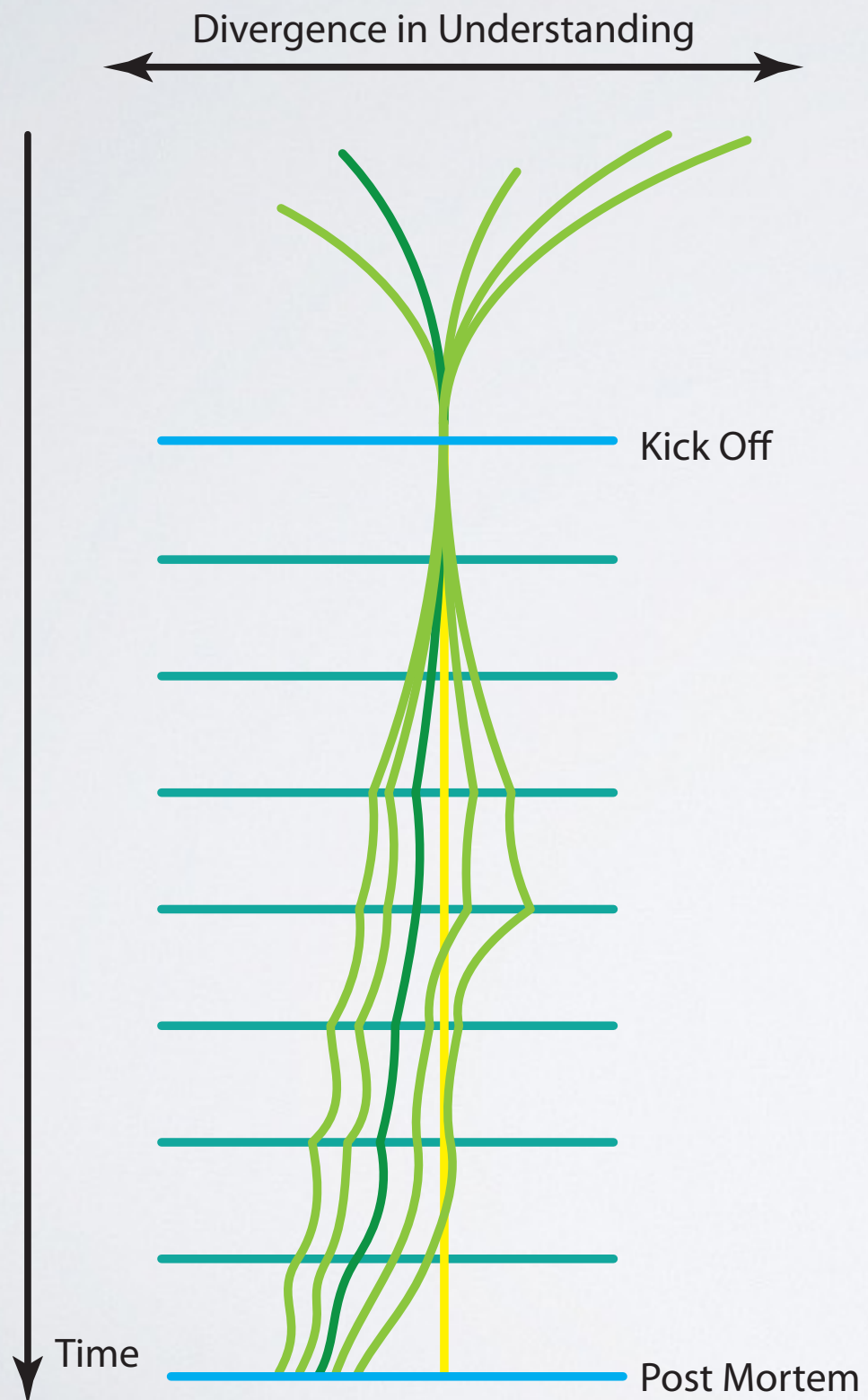
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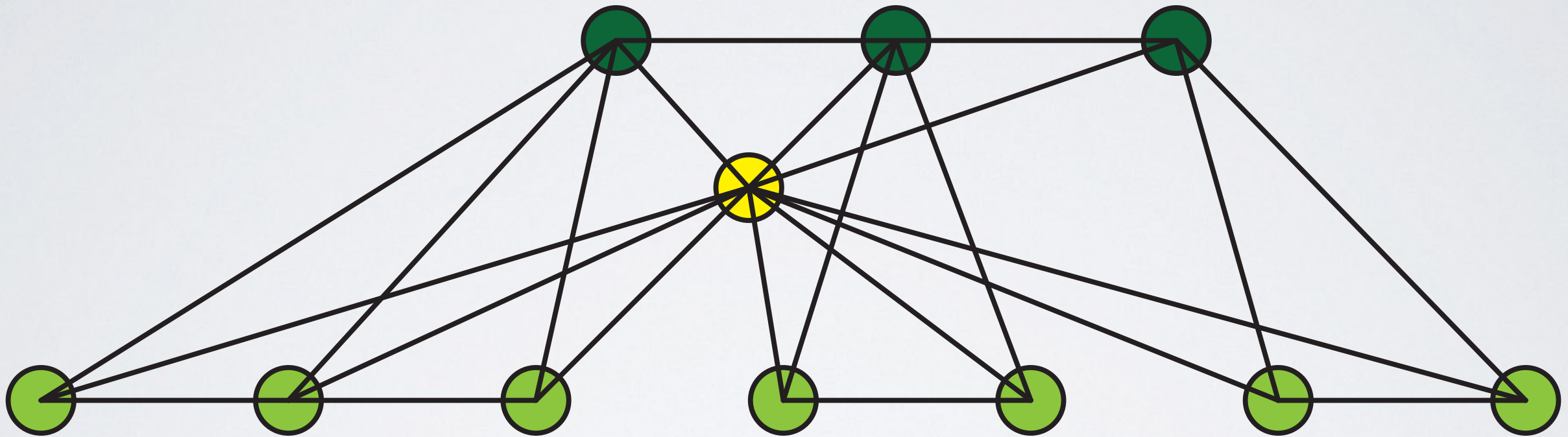
PROJECT RESILIENCE



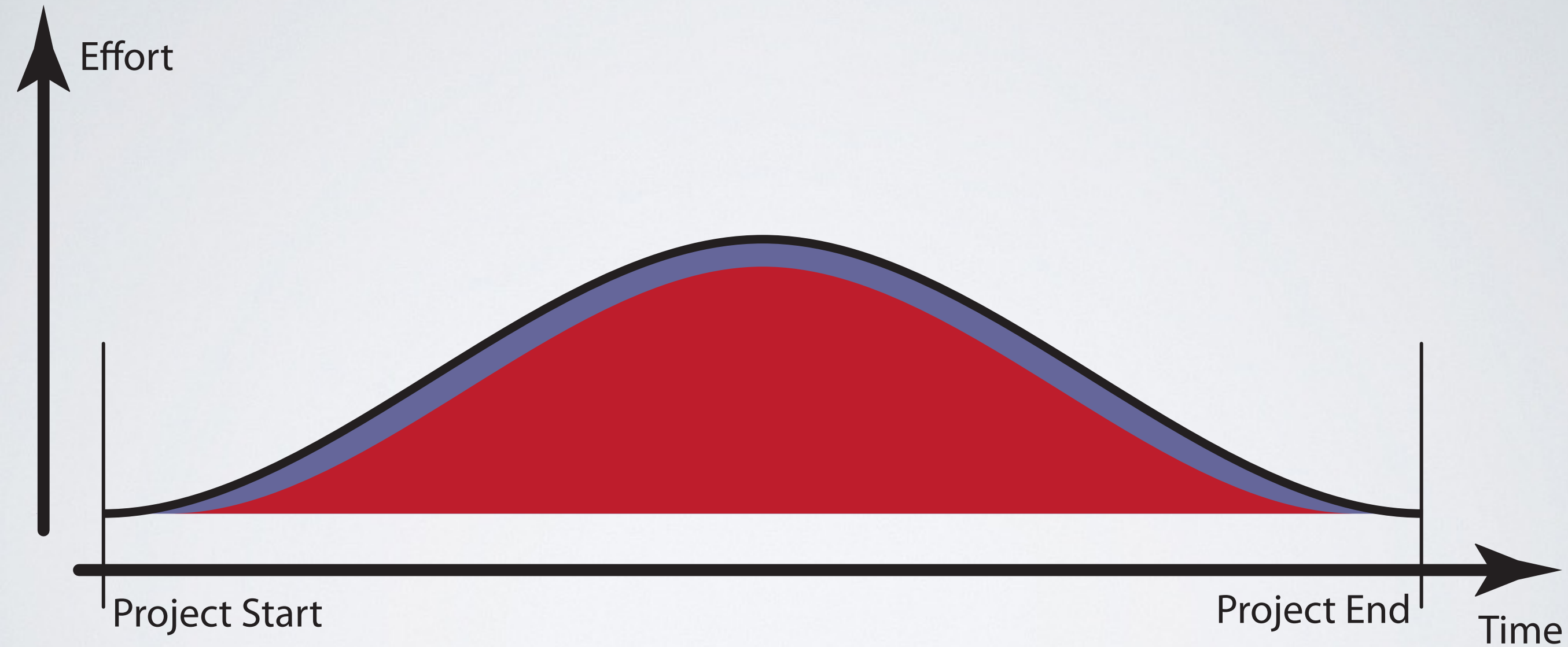
TEAM DRIFT



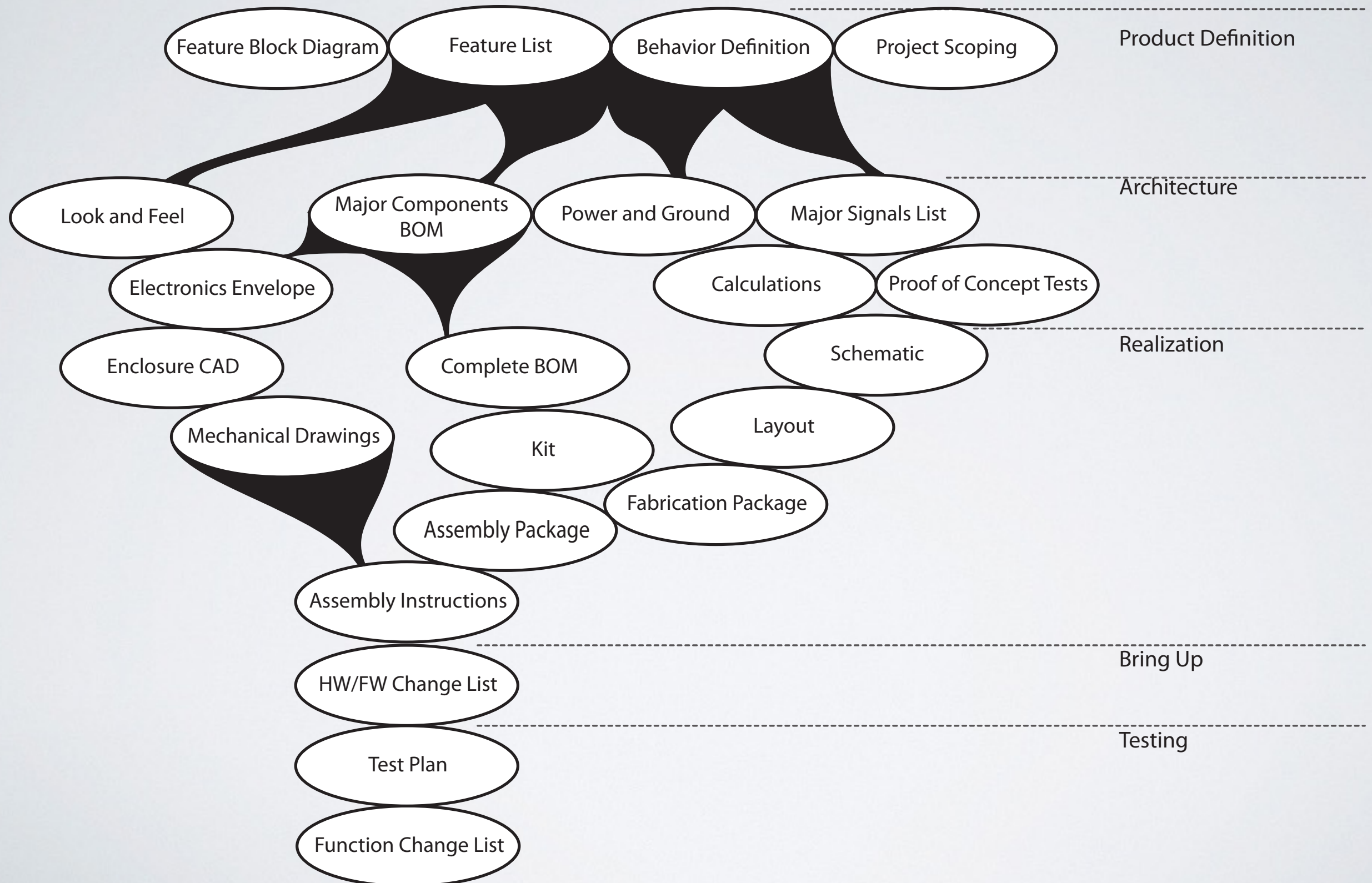
SINGLE POINT OF COMMUNICATION



DESIGN BY DOCUMENTATION



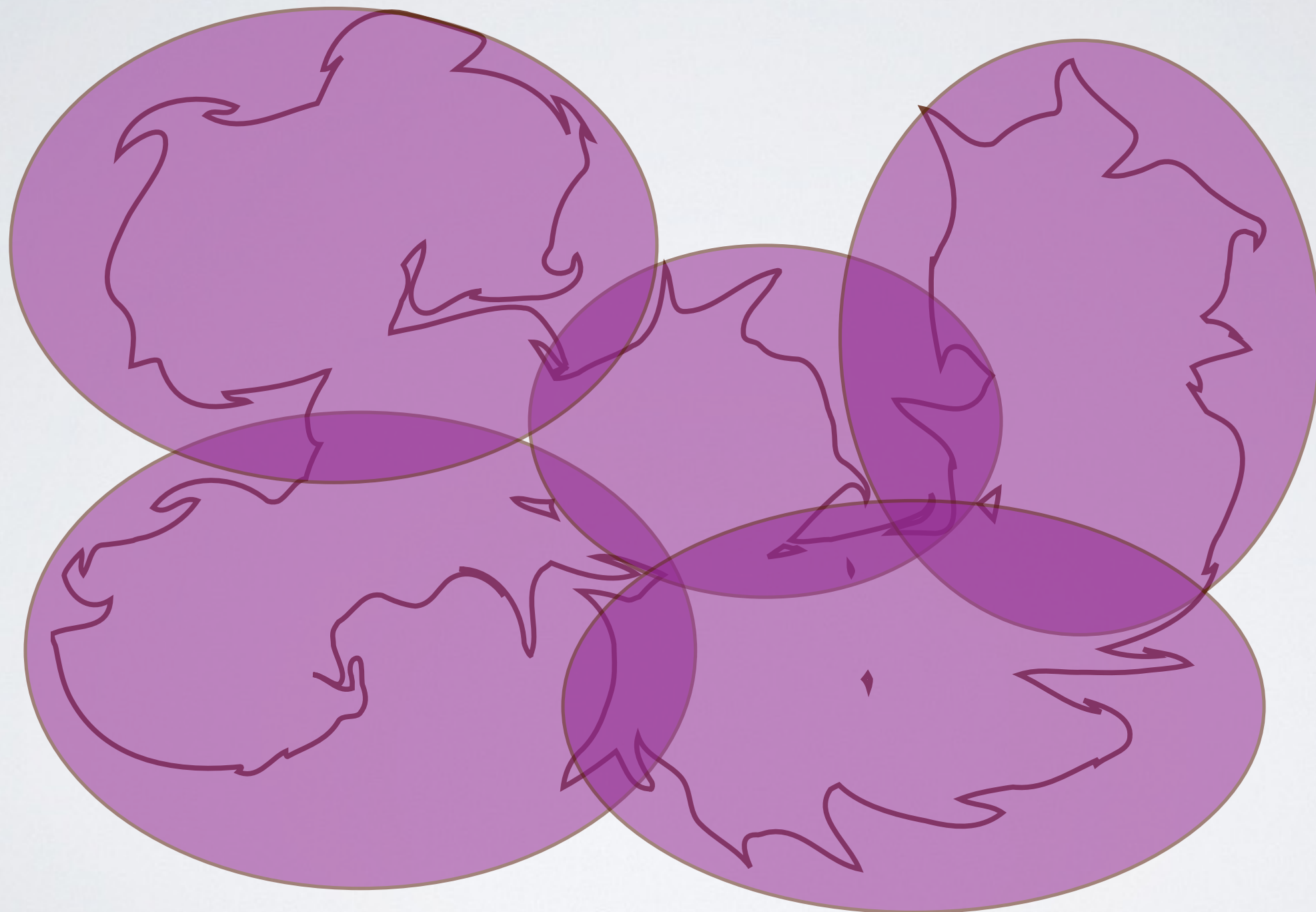
PROJECT DOCUMENTATION



IF YOU HAVE NOT DOCUMENTED IT
YOU HAVE NOT DONE THE WORK

PART II: CREATING DOCUMENTATION

DOCUMENTATION COVERAGE



USEFUL DOCUMENTATION

- Scannable
- Easily Updated
- Extensible
- Clarity over Efficiency
- High Information Density

APPROPRIATE DETAIL

| | |
|--------------------|--|
| Product Definition | features, behavior, interfaces |
| Architecture | power distribution, assembly break up, major components, PCB floor plans |
| Implementation | resistors, capacitors, screws, CAD, BOMs, dimensioning |

APPROPRIATE FORM

| | |
|---------------|--|
| Note Book | work notes, bring up steps, sketches |
| Text File | code, feature lists, |
| Spreadsheet | sourcing comparisons, BOMs, review resolution, bring up tracking |
| Block Diagram | feature block diagram, flow diagrams, power and ground distribution, |

APPROPRIATE FORMATTING

| | |
|--------------|---|
| Light Weight | indentation, lexers |
| Moderate | bolding, numbered lists, bulleted lists |
| Heavy weight | Full word processor like Word or Pages |

APPROPRIATE FOR THE AUDIENCE

