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## 2.3.2 Comparing Methods Across Industries Summary Points

The central part of this lesson is understanding this table below on Size and PM Method:

	Traditional	Agile	Lean
<b>Project Size</b>	Large	Medium	Small
<b>Industries</b>	Construction Military Government / Policy Relocation	Information Technology Product Development Consulting Operations	Sales Customer Support Legal Research & Development
<b>Planning*</b>	Master Schedules	Releases	Backlogs (Prioritized Lists)
<b>Sourcing</b>	Efficiency	Trust	Expertise
<b>Goals</b>	Predictable (Low Cost)	Speed (Maximize ROI)	Innovation (Problem Solve)
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## Traditional

- Typically Large
- Many connections between stakeholders
- Impact many stakeholders
  - Many departments
  - Many technologies and concerns
- Good Examples are
  - Large building construction
  - Military platform acquisition
  - Government civil works projects
- Planning is done using a Master Schedule
- Goal is to be predictable and efficient (low cost)

## Agile

- Typically Medium in size
- Good examples are
  - Building new products
  - Ex. SpaceX used modular designs to launch many types of rockets
  - Ex. Apple Operating Systems with regular releases over time (incrementally better)
- Planning is done in Releases
  - Goal is to get out to market
  - Each cycle builds on what came before in releases
- Goal is to be fast and make money (maximize return on investment, ROI)

## Lean

- Typically Small
- Good examples
  - Building a new solar panel
  - Selling or closing a deal
  - How we manage ourselves

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To Do: Get the dog from the vet

- Doing: Pick up kids from school

- Done: Bought the presents for the kids' party
- Planning Uses Value streams and Lists
  - Setting up a process (e.g. To-Do, Doing, Done)
  - Establishing a backlog of work to go through that process
- Goal is to be responsive and innovate (problem solve)

A key question we should ask after considering is why do these groups form around size? Why are the Traditional projects large? The Agile projects medium in size? The Lean projects small?

Asking these questions drives us to the next lessons on key concerns: Customers and Engineering.

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