The Clean Technology Startup Management Flight Simulator

Teaching Purpose Used in the MIT Sloan course "Sustainability Lab" during the Spring 2009 semester to learn:

- (1) What are the dynamics of clean technology startups and how can their odds of success be improved?
- · Long sales cycles
- · Engineering vs. sales force focus
- Valley of death

(2) How can different ownership structures affect employee behavior and firm performance?

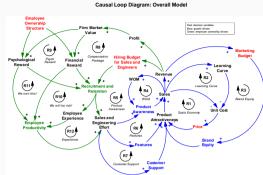
- Traditional external funding (e.g. VC financing)
- Employee ownership (partial or full)

Game Scenario

- You are the CEO of a startup specializing in energy efficiency systems facing competition from the existing dominant incumbent.
- You have developed a superb technology that may cost more than the existing technology up front, but saves energy costs in the long run dependent upon carbon taxes.
- You need to promote your product to customers through your own sales force, while keeping up product development by hiring, motivating and retaining engineers.
- You have initial founder funding of \$1 million to grow the company successfully.

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Overall Model Framework Organizational Design Ownership Structure - Select years - Profits having - Stock years - Stock years



Causal Loop Diagram: Job Attractiveness

