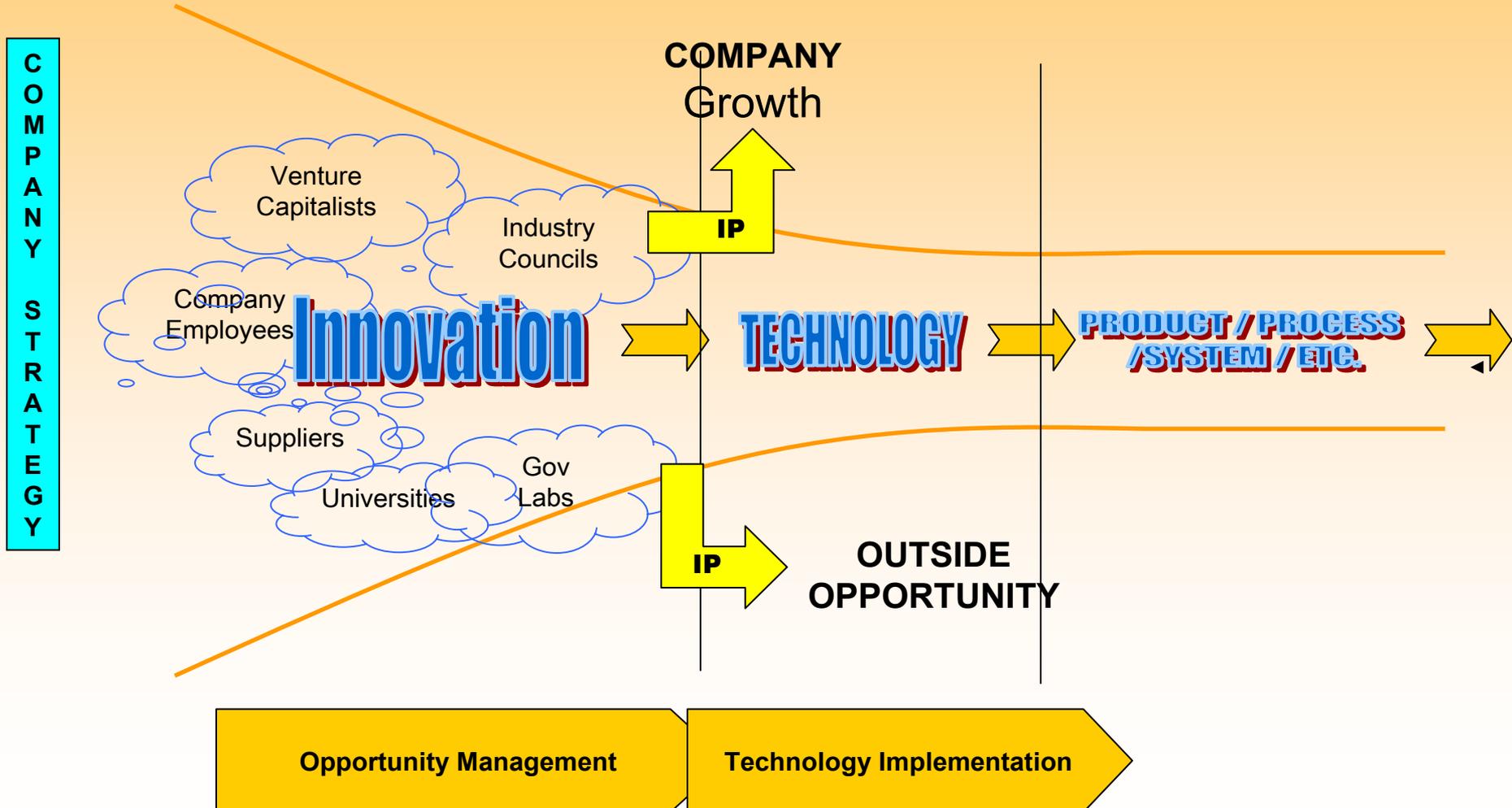


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IDEA Pipeline



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How can NIST best support innovation?

Technical people/scientists within industries they support – Objective: learn what opportunities exist and what innovation/s are needed.

- Allow scientists, engineers, physicists etc., to take sabbaticals to work within industry

NIST lead joint government/industry/academia task forces focused on innovation or solution creation.

- Funding should come from both industry and government (from my experience, if industry isn't willing to fund a significant part of the project, then it isn't worth solving, and most likely any resulting innovation will not be transferred into practice)

Once breakthroughs are achieved, then the NIST key innovators should “field follow” the creation and ensure that it is “industrialized” and is working at a beta site.

- Once proven, work to transfer across a broad scope of companies can occur

Form “Kaizen” teams – speed should be demanded at every step (programs should be held to 12 to 18 months).

- One of the main issues in transferring technology is talent movement and succession planning and maintaining budget. (Champions are needed to keep innovations moving, and when a significant player departs from a team, the team typically really suffers)

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How can NIST demonstrate it's impact on innovation?

- **Key leadership and participatory roles on the Kaizen teams**

How can NIST best measure it's impact on innovation?

- **Each project would have economic drivers identified**
- **Create metrics and do process checks at key milestones**