From Fusion to Finance:

Commercialization of Research and Financial Value

Ken Hattori
SBIR-Fusion PL
HelicityX (Startup Investor)

Learnings from:

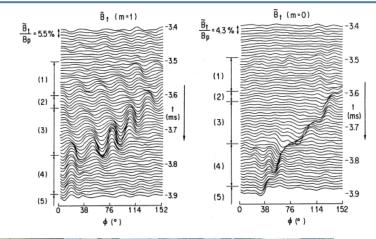
- 1. Fusion Research
- 2. Strategy Consulting
- 3. Manufacturer
- 4. Venture Capital

Transition with
Every Two Olympic Cycles
(~ 8 years)

1. Fusion Research

MHD Instabilities of Torus Plasmas (Tokamak, Reversed Field Pinch)

- Univ. of Tokyo (TORIUT, REPUTE), PhD
- Princeton Plasma Phys. Lab. (TFTR)
- Electro Technical Lab. (TPE)





Plasma Performance = Results of Total System Integration

→ 「A small Leak Can Sink a Great Ship」 小さな事も疎かにすべからず 「God is in the Details」

2. Strategy Consulting

<Application of Technology on Business>

McKinsey&Company



- 「Client Interest First」
- Framework: 3C, etc.(Customer, Competitor, Company)

Arthur D Little



Innovation ManagementNonconformist> 異端児New Combination> 新結合

3. Elec. Manufacturer

SONY

- Execution
 - Biz. Portfolio Management
 - New Biz. Launch (Healthcare)
 (Life Science Research Equip., Personal Health, etc.)













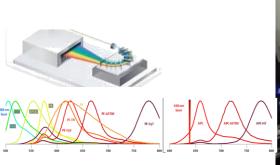


Cons. E Tech + Pro. Products

Flow Cytometry

Digital Pathology









- 「Interdivisional Cooperation/ 部門間連携+ Startups連携」
- 「Threshold of Success & Failure/ 成功失敗の境い目」

4. Venture Capital





- Accelerate Innovation by Power of Finance
- Understand relation of technology and financial value
- Invested Startups: IT, Electronics, Materials, etc.: Total Gain >>1

NOT

Startups

- -Appeal only dreams & strength
- -Hide inconvenient factors, unaware of risks
- -Overvalue oneself

Investors

- -Judge by only book cover, taking it for granted(鵜呑み)
 - invest on wrong eggs
 - overlook/miss real eggs
- -Little Study, Intuition w/o backgrounds

But

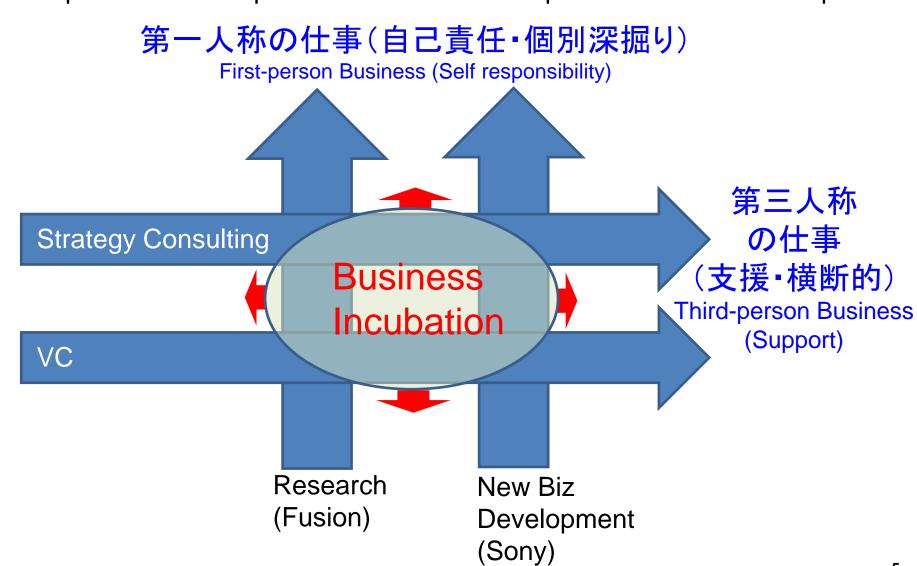
- -Disclose weakness and risks
- Take counterplans
- -Right self-valuation
- Judge by content and reality
 - exclude fake
 - identify real authentic
- Study + Smart intuition
- -Fame and/or speaking fluency do not mean anything.
- -Content is Essential: 中身が大切
 - → Grasp of user unmet needs
 - → (Quantitative analysis) of technology-function relationship
- -(After screening out wrong eggs,) [Strategic Intuition]
- -Keen Eye is important. 目利きのアンテナ: 第一人称・自己責任での実行経験が重要



Summary 1

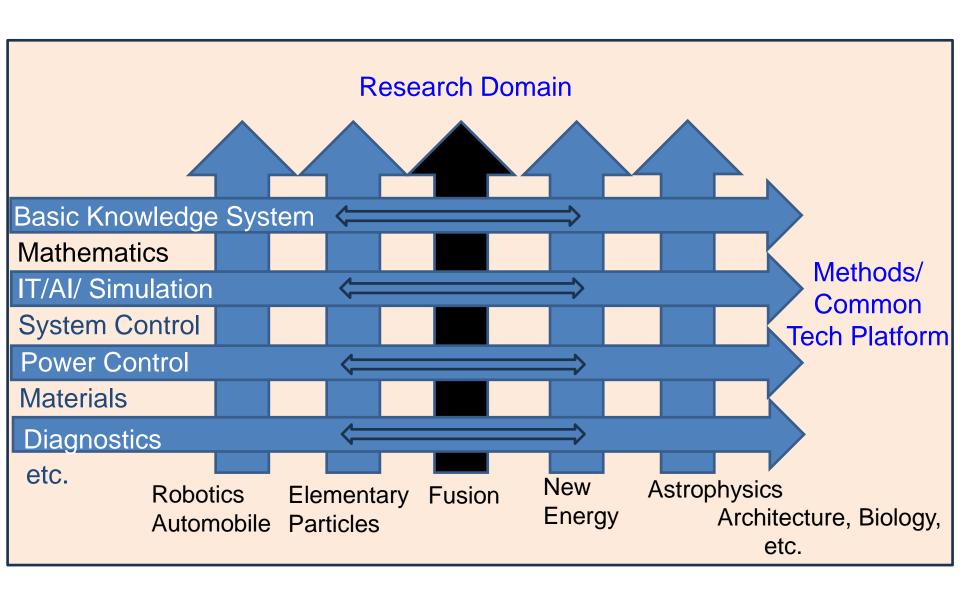
For business incubation,

both experiences of 1st person business and 3rd person business are important.



Summary 2: Expectation on MS10:

New Disruptive Idea through Cross Learning



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