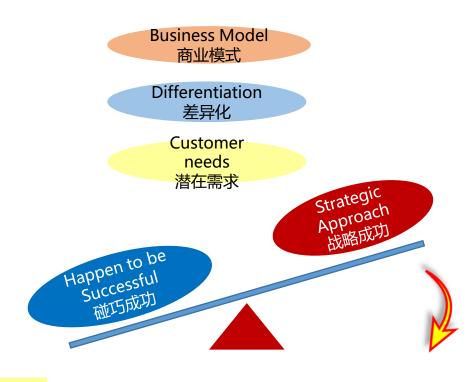
Creativity & Innovation Management 创业与创新

2017-06-09 Koji Kamon

What is "Innovation" ? 什么是创新?



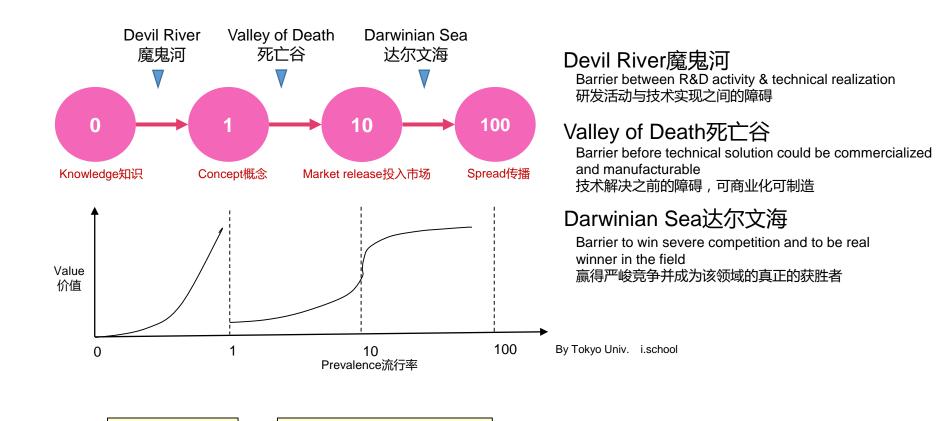


Get higher success ratio with Innovation Management!! 用创新管理获得更高的成功率!!

Innovation process 创新的过程

Idea/Concept

想法/概念

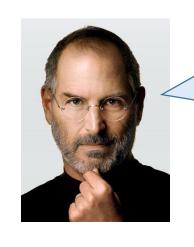


Commercialization

商业化

Innovation创新

If you don't have a super genius, 如果你没有一个超级天才, then you should build up a good team for innovation.那么你需要培养一个有创新能力的团队。



- · Strategy战略决策
- · Business model商业模式
- · Delivery交付

V



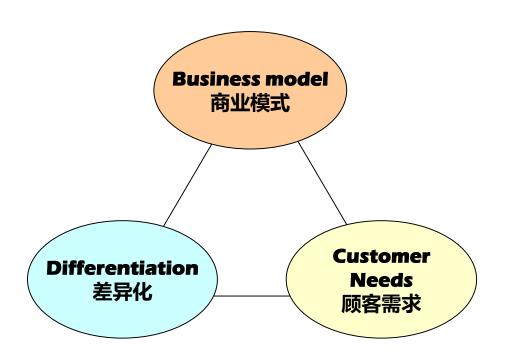
Independent High motivated Team 独立、积极性高的团队







Key success factors成功的主要因素



Lessons learned 我们的教训

Lapsable mistakes 容易犯的错误

- Product out: Good technology, good product must lead to "success"
 产品: 好的技术、好的产品一定会成功
- Too much rely on needs: Needs must be there, so it must be "successful"
 过分依赖顾客需求: 有需求在那儿,一定会成功
- Weak Business model: Money will come later
 薄弱的商业模式:钱很快就会有的
- No differentiator: Easy to catch up, going into price war 没有差异化:容易被抄袭,打价格战

Example 1: Ultra short throw Projector

案例1:超短投影仪

Conventional Projector传统投影仪:



 needs space or additional table to put the projector in the center of the meeting room

在会议室中间放投影仪需要空间或额外的桌子

- emits fan noise and hot air blows 有风扇噪音和热风
- anything shouldn't be in between the screen and the projector 屏幕和投影仪之间不能有任何东西遮挡

Challenges: easy to use

挑战:易于使用

In 2003, Ricoh was providing optical engines for the projector to various projector makers.

2003年,理光向不同的投影仪厂商提供投影仪的光学引擎。







Came up an idea提出一个想法

Putting mirrors before the lens and deflecting the light results in short distance.

在镜头前放置镜子并使光线偏转导致短距离。





Decision:

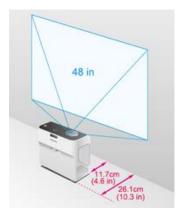
Start R&D activity to develop short throw optical engine.

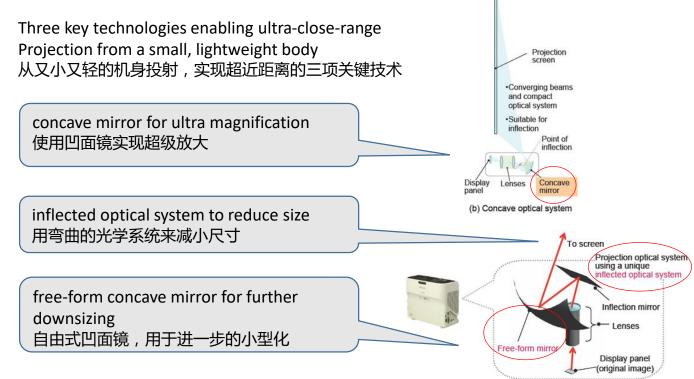
决定:开展研发项目开发短投光 学引擎。

Short Movie (example 1) 案例1的小短片

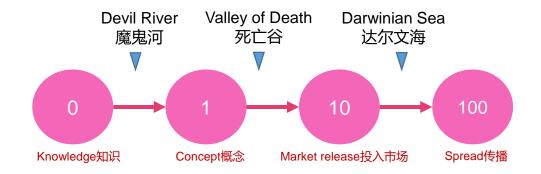
Break through technology突破性技术

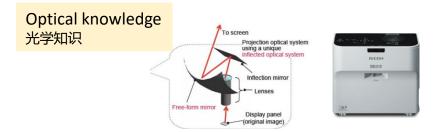






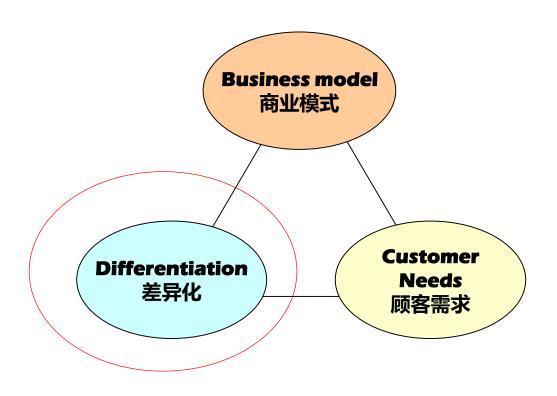
On the way to real "success" 在实现真正 "成功" 的道路上





- WiFi Connection无线连接
- Interactive board交互界面 etc.

Technology Differentiation 技术差异化



Example 2: TOE (TCP/IP Off load Engine)

案例2:TOE(TCP/IP卸载引擎)

TCP/IP protocol stack on the hardware

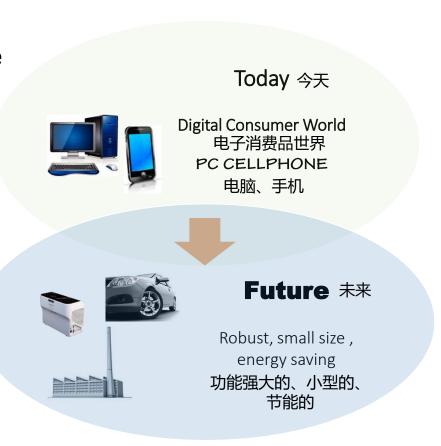
硬件上的TCP / IP协议堆栈

Pros优点

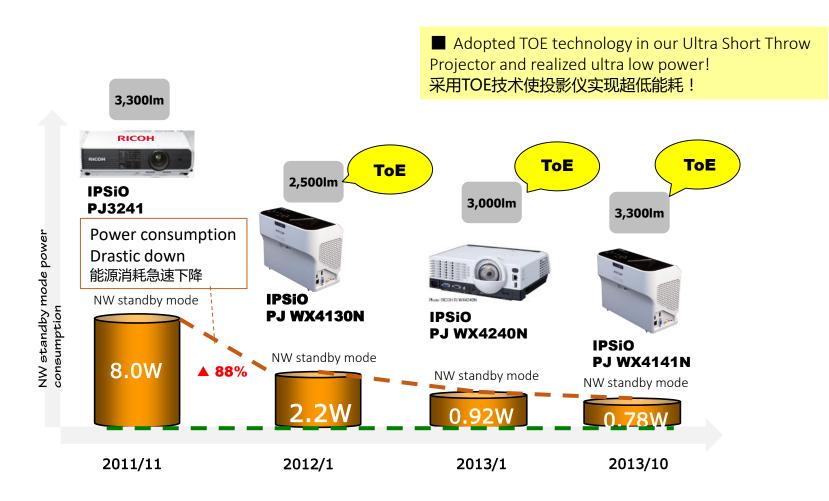
- 10x faster 10倍的速度
- 1/10 energy saving 节约1/10能源
- Resist Cyberattack 抵制计算机攻击

Cons缺点

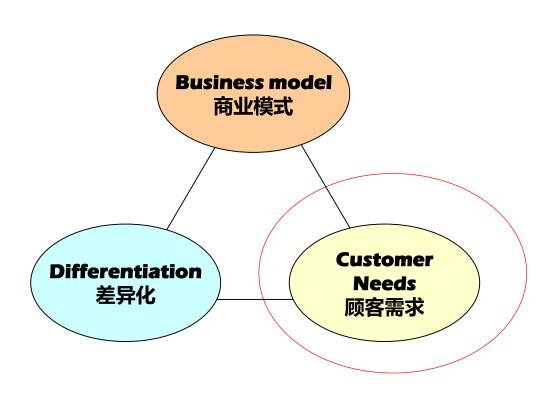
- Low flexibility 灵活性低
- Limited multi session 多会话限制



Challenges: energy saving 挑战:节约能源



Customer needs 顾客需求



Example 3: 3D Printer 案例3: 3D打印机







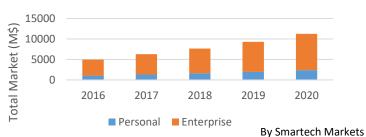
Pro use 商用

Forecast for 3D Printer market 3D打印机市场预测



3D Printer market Personal vs Enterprise

个人用户和企业用户市场



Target "low end market" 目标 "低端市场"



being interested in using 3D printer but no real experience 对3D打印机有使用兴趣,但没有使用经验

3D Printer Equipment 3D打印设备

What to make (3D Data) 做什么(3D数据)

How to use (learning) 怎么使用 (学习) Buy? or rental? or going to "Fab space"? 买?租赁?还是去 "Fab space" ?

Design by myself? or buy? or get free data from web site? 自己设计?购买?还是从网上获取免费数据?

Learn by myself? or take a class? or just ask print services? 自学?培训?还是求教服务商?

A thinking process 思考过程

Jobs to be done作业

Solutions for jobs解决方案

Not much solution没太多解决方案 Want to make something 想做点什么 Buy or get 3D printer 购买3D打印机 Bottle neck for business expansion Master how to use 掌握如何使用 Beginners school 初学者培训-业务扩张的瓶颈 Make 3D data 制作3D数据 3D CAD software 3D制图软件 Print out 打印輸出 Print services 打印服务 Printer equipment 打印设备 Potential competition 潜在竞争 Materials/Supply 材料/供应 Continue to use 继续使用 Maintenance 设备维护 Potential collaboration Skill up 技能升级 潜在合作 Upgrade equipment 设备升级

Business Model Design 商业模式设计



- ➤ Competition 竞争者
- ➤ Collaboration 合作伙伴
- ➤ Blue ocean strategy 蓝海战略

How will you earn big money?? 如何赚大钱??

Analogy thinking case study 类比思维案例学习

Business Model Data Base商业模式数据库



Knowledge→Generalize→Reuse 知识→总结→重复使用

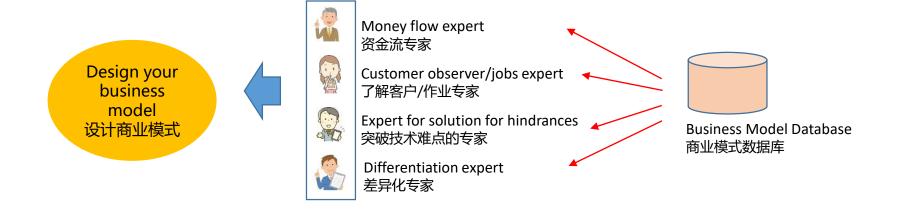


Analogy thinking 类比思维

	Money Flow 资金流	Jobs / Solutions 作业/解决方案	Hindrances for solutions 技术难点	Barriers for entry 进入市场的障碍
Airbnb				
Uber				
Shaver (Printer)				
Evernote				
South West Air				
Rental Video				
Dell Direct Model				

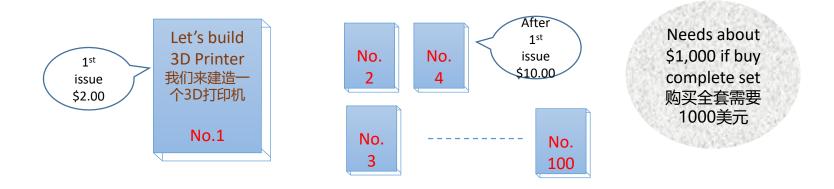
analogy thinking: Apply other business models

类比思维:运用其他商业模式



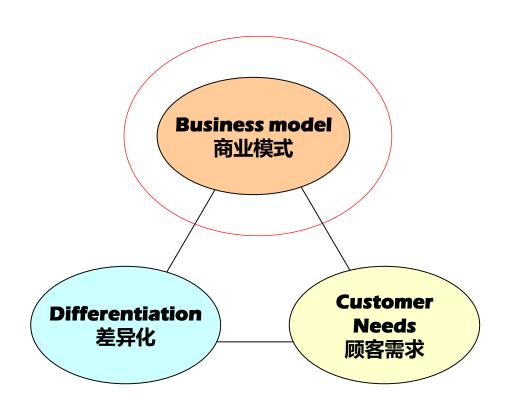
Challenges: Business expansion 挑战:业务扩张

- Deagostini方法



Business design商业设计 reusing past success case重复利用过去的成功案例

Business model 商业模式



Conclusions 总结

- Keep an eye on all the innovation process, not only 0 to 1 phase but through 100. Then put innovation challenges strategically on Devil river, Valley of death and Darwinian sea. 关注整个创新过程,不仅仅是0到1,还要穿过100。然后战略性地在魔鬼河、死亡谷和达尔文海运用创新挑战。
- Keep 3 key factors, "Business model", "Latent needs" and "Differentiation", well balanced during the process.
 - 记住3个要素:商业模式、潜在需求和差异化,在整个创新过程中很好地平衡这三点。
- "Jobs to be done" could be a good tool to find customer's latent needs and to make business architecture design for your business.
 - "Jobs to be done" 是为你发现顾客潜在需求和设计业务架构的一个好工具。
- Business model should be reused and diverted from other business area having good people (team).
 - 商业模式应该可以被重复使用,并可以从其他业务领域(拥有好的团队)转移过来。
- Success ratio should drastically increase by innovation process and innovative people. 通过创新过程和创新人才,成功率将大幅提升。

Contact information 联系方式

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Thank you for your attention!! 谢谢

Phase gate approach

