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#### Intellectual Property Management As A Strategy for Competitiveness and Business Success-Perspectives from Thailand

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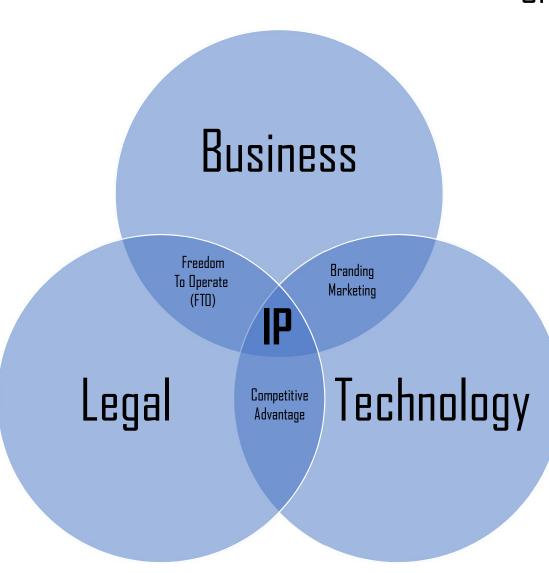
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## You Cannot Manage What You Don't Know



Challenges for IP Management in Thailand IP Awareness Perception/Understanding Policy (National/Institutional/Personal) Law & Regulations Resources (Personnel, Tools, Incentives, etc.) Marketing AdvantageFirst Mover

Distribution & Logistics

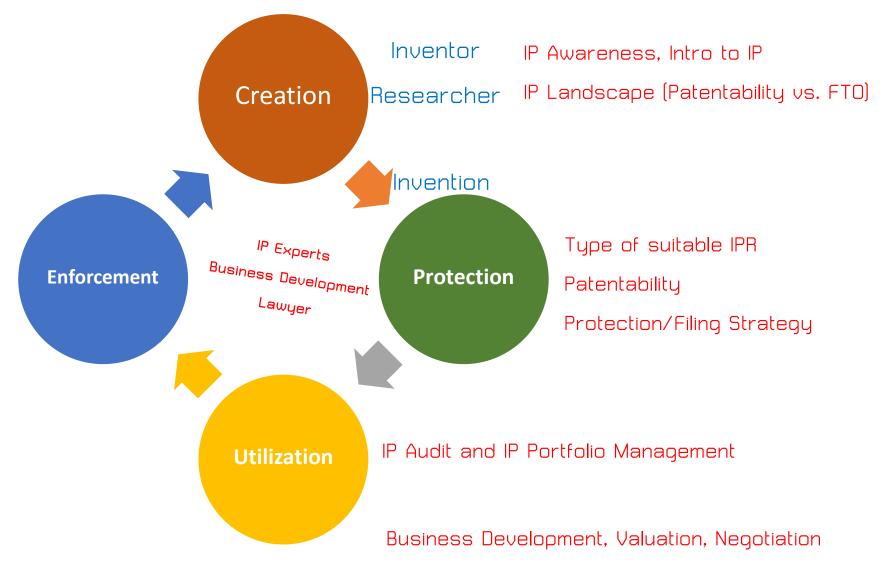
#### Time to Market

#### Competitive Advantage

- Manufacturing & Cost
  - Resources

Innovation and IP

### IP Management



# IP As Toolbox

Patent/Petty Patent

Trade Secret

GI

Design Patent

Trademark \*

Plant Variety 📿

Copyright Circuit Design Traditional Knowledge

## Trade Secret VS. Patent

#### Patent

- High cost of protection & maintenance
- Limited time of protection
- Patentability issue
- Protected against reverse engineering



#### **Trade Secret**

- Low cost of protection but may be high cost of maintenance
- Unlimited time of protection (as long as secrecy was kept)
- Regardless of patentability issue
- Reverse engineering is allowed
  - Cost to reverse engineer?



### Challenges for Trade Secret Protection

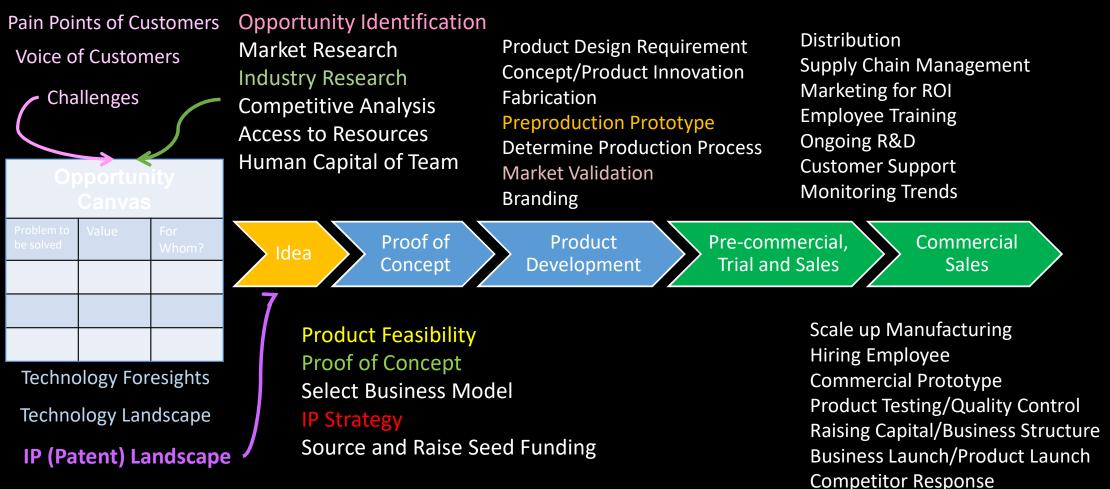
- Greater employee mobility
- High-technology startup
- Out-sourcing
- Increasing possibility to reverse engineer with new technology
- Legal obligation to reveal ingredients, raw materials or manufacturing process for greater transparency

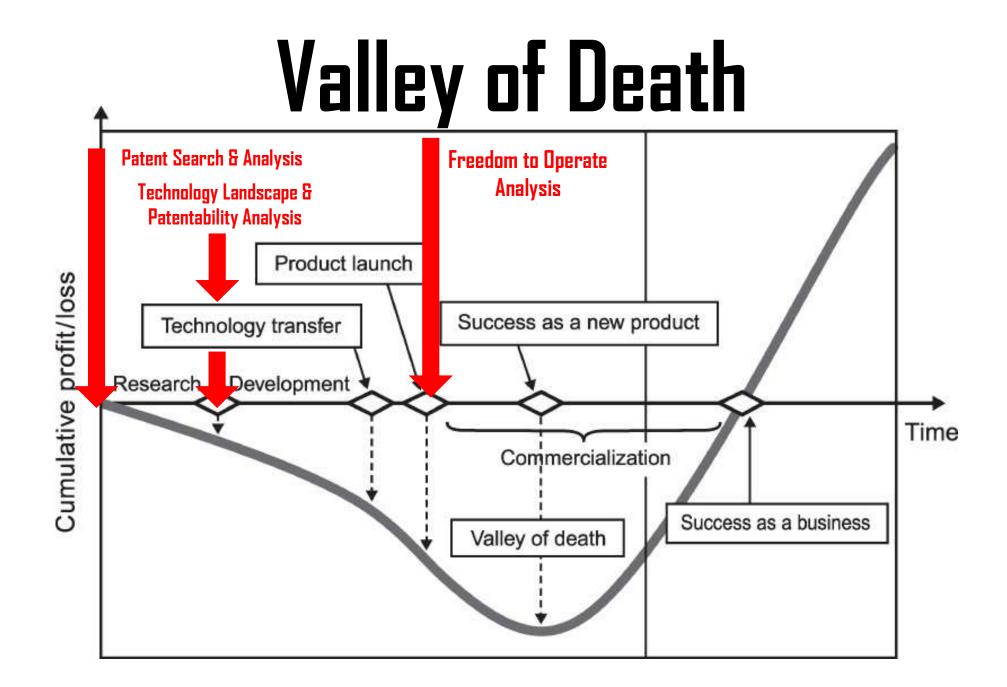
# Concerns & Challenges for University

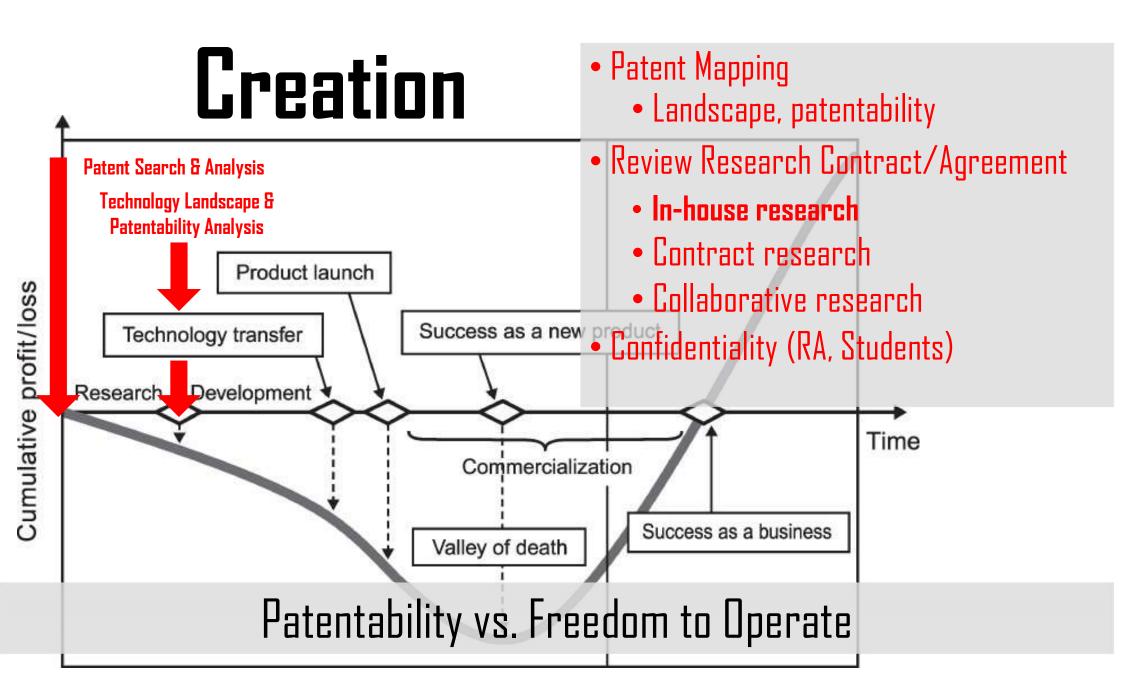
- •University Culture
  - Knowledge dissemination
  - Career path for professor
- Research compliances
  - Conflict of interest
  - Conflict of commitment
- •University-Industry Collaboration



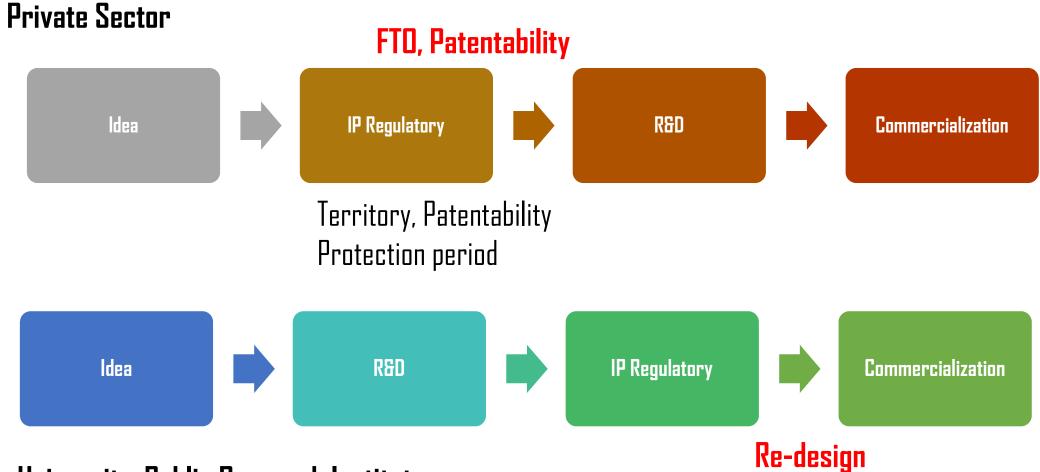
#### **R&D** Commercialization Stages



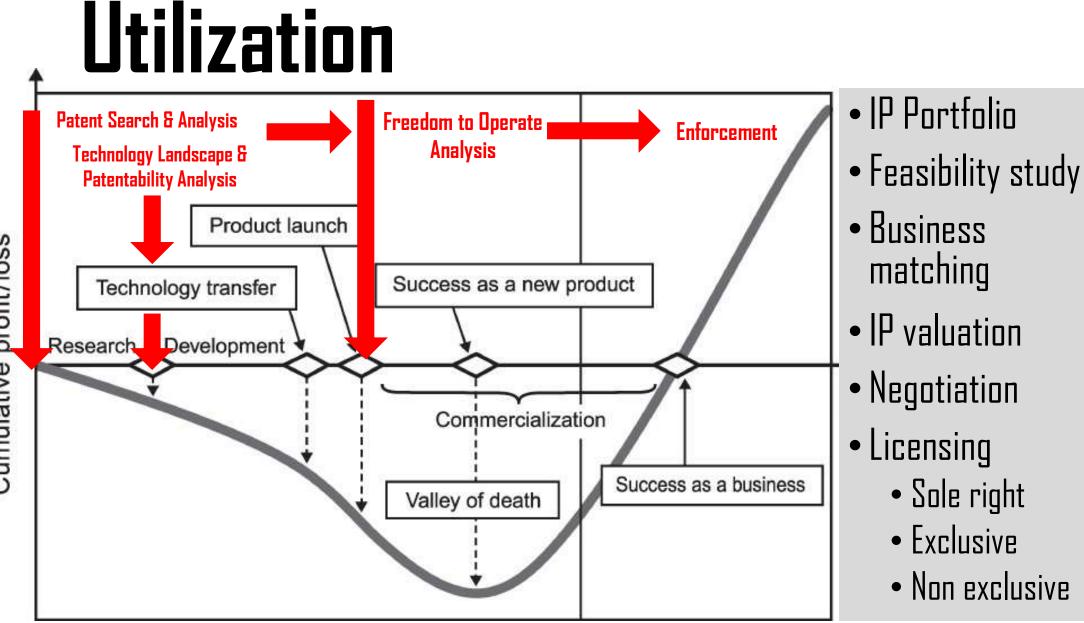




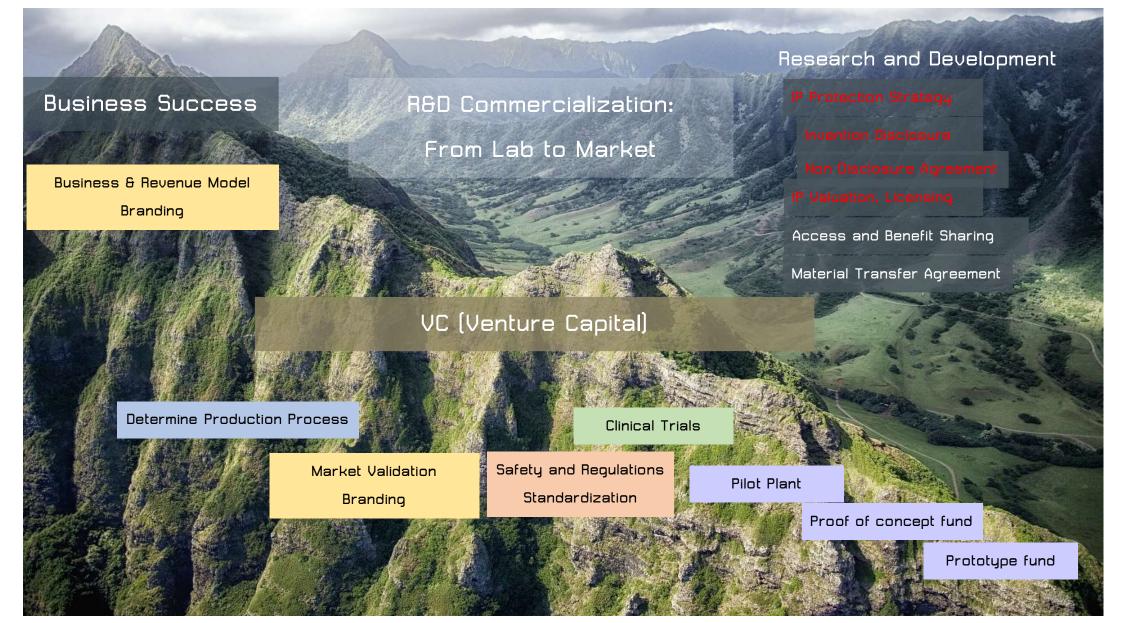
# When to Conduct Patent Landscape?



**University, Public Research Institute** 



Cumulative profit/loss



# Sharing Value

# Licensee

# Negotiation

Maintenance fee Milestone fee

# Licensor

Up-front fee

Royalties

**Research Funding** 

"The ultimate benefits of technology transfer, however, are the public benefits derived from the products that reach the market and the jobs that result from the development and sale of products."

Source: AUT