# Navigate the Ocean of Big Data

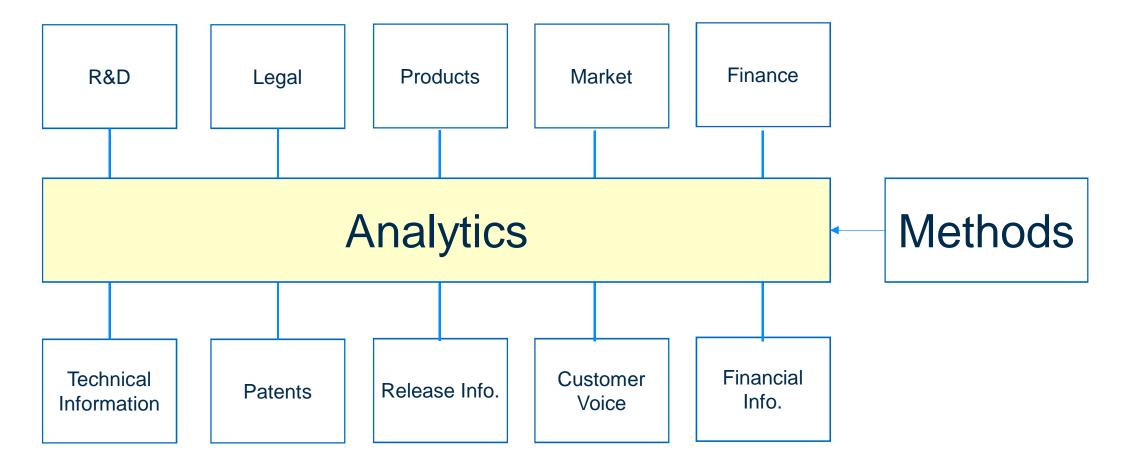
**Harness the power of Panoramic View Analytics** 

知的財産戦略本部 御中 知財のビジネス価値評価検討タスクフォース(第2回) 2017/12/19





## **Data Fusion and Chemistry**

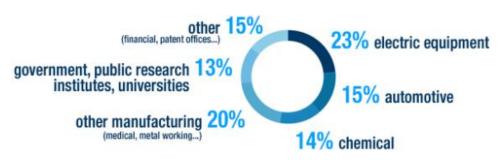




#### What is VALUENEX?

Valuenex is a data analytics company focusing on strategy development and decision guidance, performing 100+ consultation projects per year to leading companies and public institutions, and analytics platform licensor.

















CUSTOMER'S VOICE: PANASONIC IP MANAGEMENT

PARTNER'S VOICE: PANASONIC SOLUTION TECHNOLOGIES



#### Importance of Technology Information Analysis

There are various technology information analyses according R&D and IP cycles.

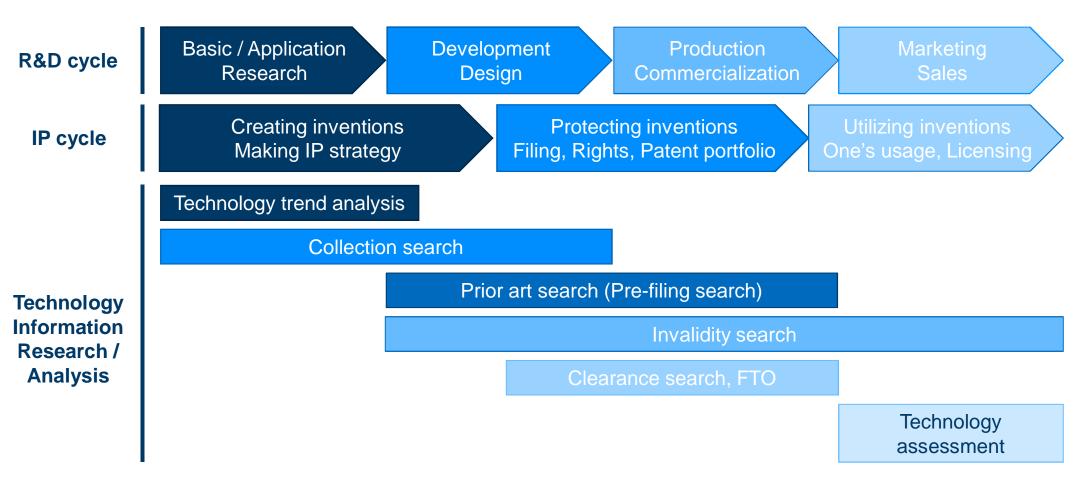


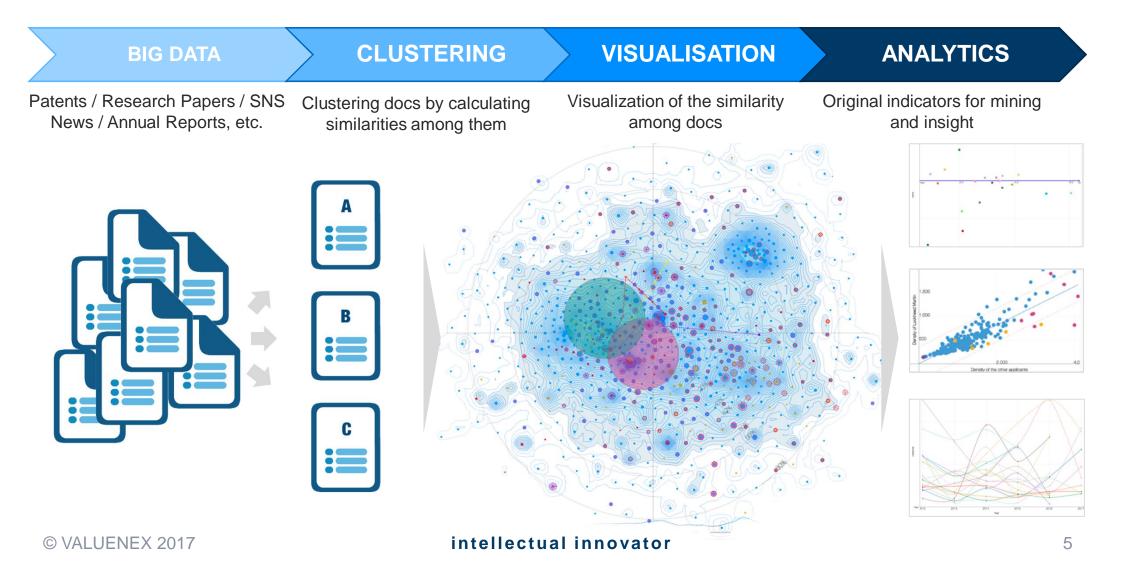
Figure: Relationship among IP, R&D and technology information research / analysis

Ref: Atsushi Nozaki: Patent Research and Search Technique (2015) [Japanese]



#### What is Panoramic View Analytics?

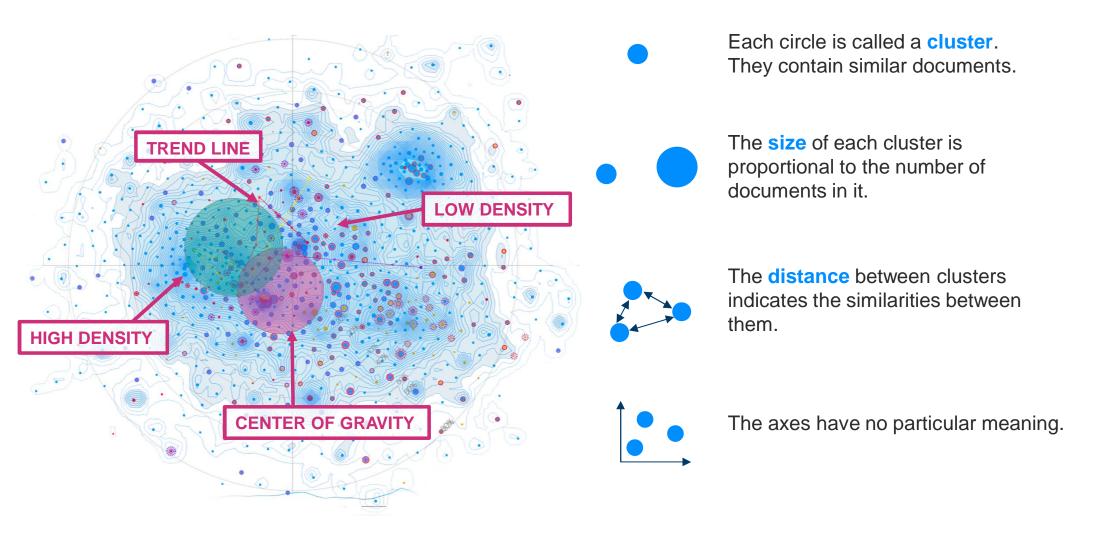
Proven scientific methods that allow the user to "see and understand" the entirety of large amounts of data rather than "search and reading" of individual pieces of data.





#### What is Panoramic View Analytics?

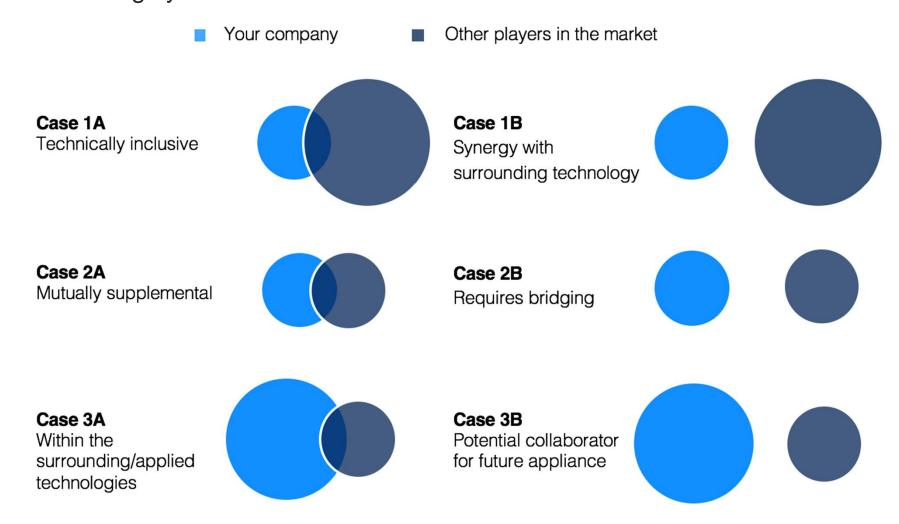
You can get insight for strategy-making by analyzing output (distance, density, white space, distribution, etc.) of the radar chart.





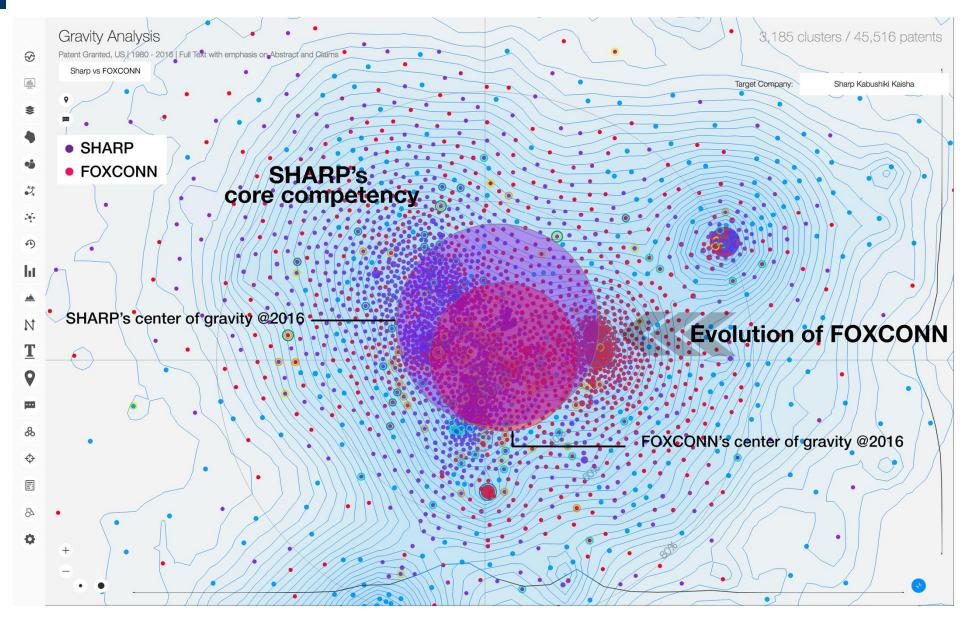
#### From IP Panoramic View Analytics to Strategy

Quantitative evaluation and visualization of technical affinity (relationship) between companies are highly valuable.



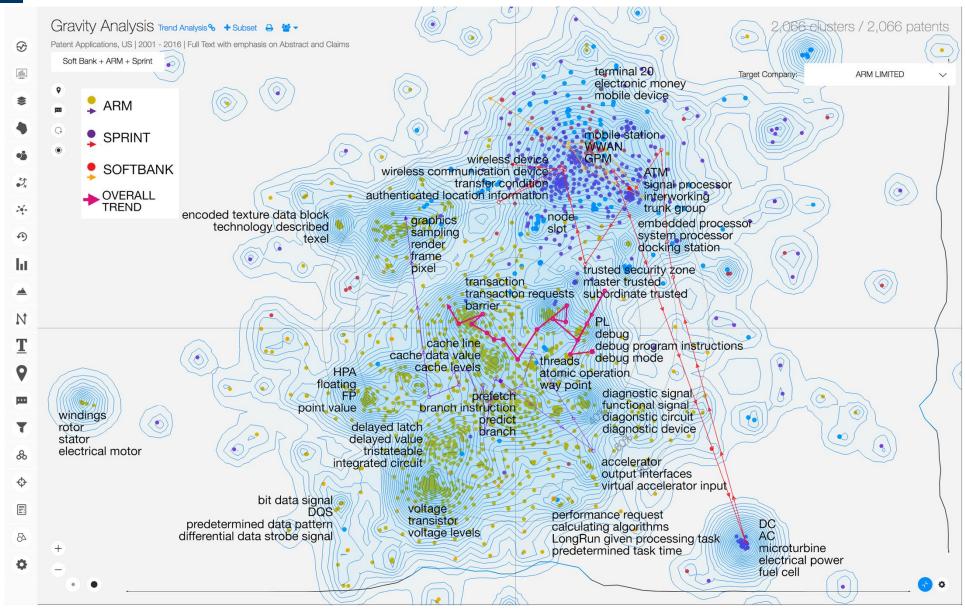


#### **Evolution of Foxconn into Sharp's Tech Arena**



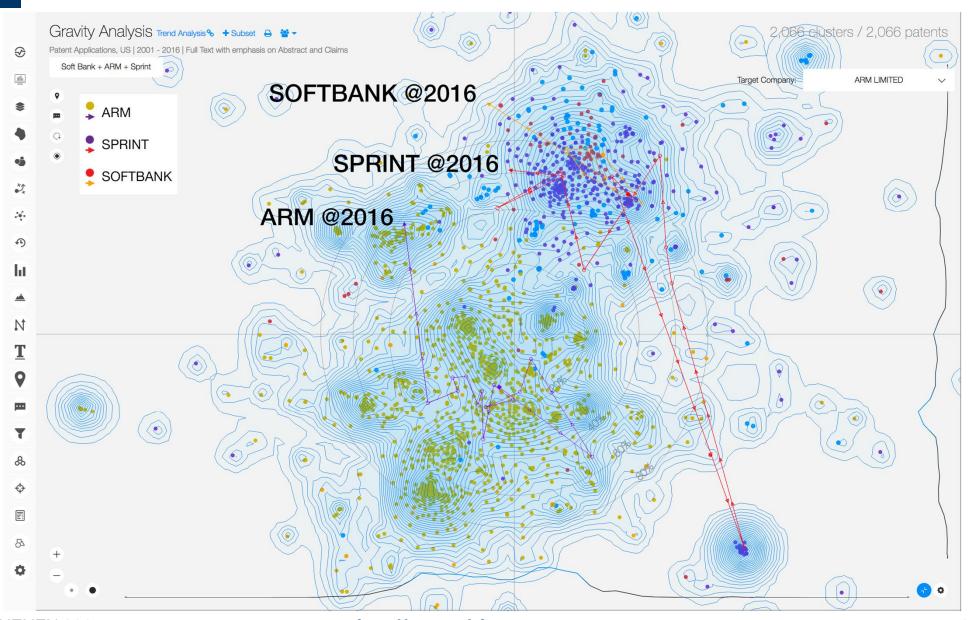


#### Insight into Softbank's IP Strategy



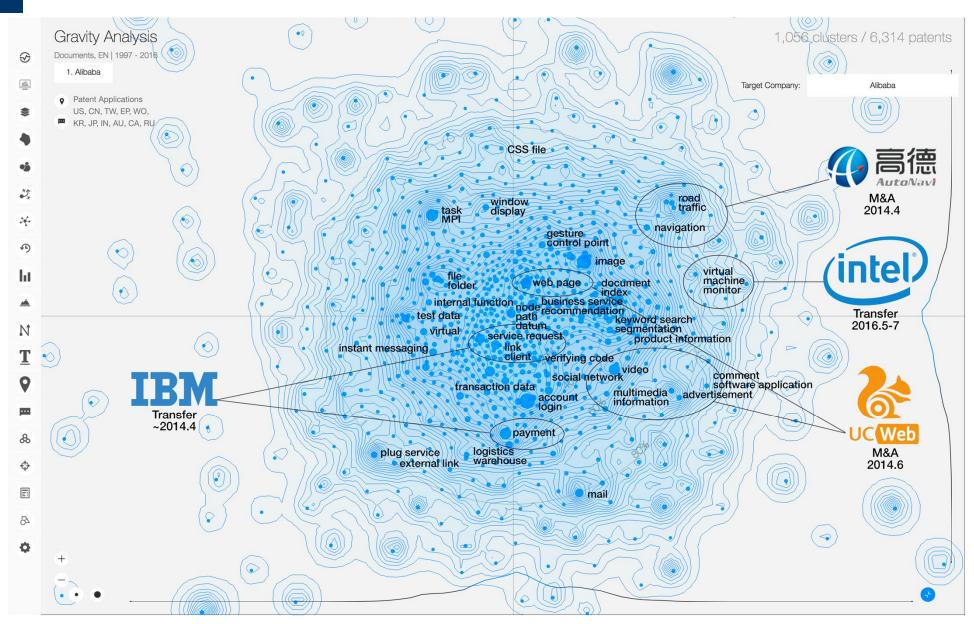


#### **Predictive Modeling of Tech Convergence**





### Alibaba's pre-IPO Portfolio Boost





# Determining Adequate INVESTMENT values for m&As



#### **View Points for Successful M&As**

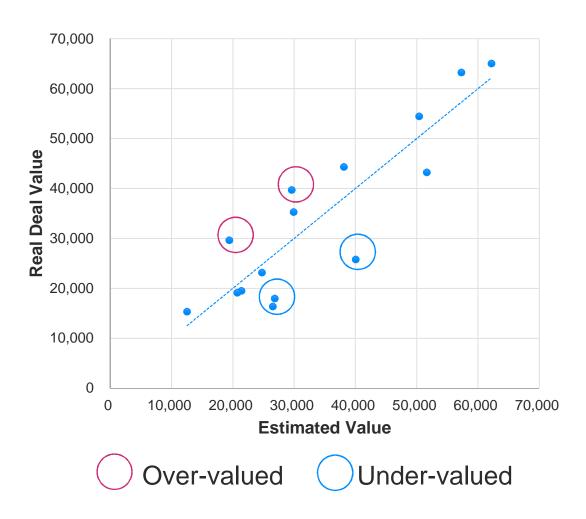
Investing in Tech Companies requires thorough evaluation of technological synergy.

CATEGORY	VIEW POINT	CURRENT DUE DILIGENCE	NEW MODEL WITH PANORAMIC VIEW ANALYSIS
Management Synergy	Management Policy Corporate culture	•	
Business Synergy	Business size Market field Market share	•	•
Technological Synergy	R&D size Technological field Technological portfolio		•



#### **Estimating Investment Amount in Pharma M&As**

Multiple Correlation Coefficient: R = 0.893



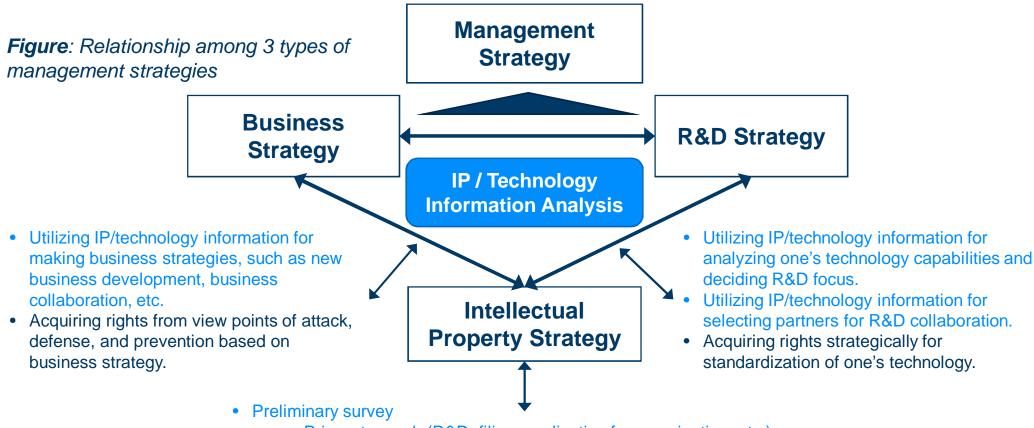


#### Actual Deal Value vs. Estimated Value

NO.	NAME	DEAL VALUE (USD M)	ESTIMATED VALUE	DIFFERENCE	
1	Merck & Co/Schering-Plough	43,198	51,657	-8,459	
2	Pfizer/Wyeth	65,016	62,193	2,823	
3	Roche/Genentech (44.2% Stake)	44,291	38,106	6,185	
4	Novartis/Alcon (52% Stake)	25,750	40,067	-14,317	under val
5	Sanofi/Genzyme	19,479	21,397	-1,918	
6	Abbott Laboratories/AbbVie	54,376	50,383	3,993	
7	Actavis/Allergan	63,199	57,308	5,891	
8	Allergan/Forest Laboratories	23,126	24,767	-1,641	
9	AbbVie/Pharmacyclics	19,045	20,741	-1,696	
10	Baxter International/Baxalta (80.5% Stake)	17,895	26,820	-8,925	
11	Pfizer/Hospira	16,323	26,536	-10,213	under valu
12	Teva/Allergan (generics)	39,633	29,602	10,031	over value
13	Valeant Pharmaceuticals/Salix Pharmaceuticals	15,302	12,527	2,775	
14	Shire/Baxalta	35,219	29,920	5,299	
15	Johnson & Johnson/Actelion	29,592	19,421	10,171	over value



#### Importance of Technology Information Analysis



- Prior art search (R&D, filing, application for examination, etc.)
- Other company trend survey (Making patent map etc.)
- Acquiring rights (filing patent, trade secret)
- Protection and utilization of rights (own monopoly, license, measures against counterfeit products and management of technology / know-how in foreign markets)

Ref: http://www.jpo.go.jp/shiryou/toushin/nenji/nenpou2004\_pdf/honbun/3-1-2.pdf

# Find your future on the Radar



FOR MORE INFORMATION:

www.valuenex.net customer@valuenex.com