



Global IP Focused Research Acceleration & Commercialization

D-U-N-S 65-074-5214

## About Us



SkyQuest Technology Group is a Global IP focused Research, Accelerator & Investment Bank, profoundly engaged in innovation ecosystem with myriad stakeholders in various capacities helping them leverage external sources of R&D and create value from intellectual property. It operates by way of:

### SkyQuest IP Management & Holdings Inc., USA

Investments, Technology Transfer & Market Entry (USA, CANADA, EU)

### SkyQuest Technology Consulting Pvt. Ltd., INDIA

Research, Investments, Technology Transfer & Market Entry (India, Israel, MENA)

### SkyQuest IP Management & Holdings Ltd., HK, SAR, CHINA

Research, Investment, Technology Transfer & Market Entry (China, Far East & ASEAN)

### Investigators Forum Network, INDIA, CHINA

Low-cost Clinical Development & Usability Studies for New Tech

### Global Healthcare Innovations, INDIA, CHINA, EU, NA

MedTech Regulatory Affairs & Distribution management (India, China, ASEAN, EU, NA)

### Ingenuity Ventures, EMERGING MARKETS

Early Stage Investments in Health & Food, Energy, Digital Media, Water & Agriculture

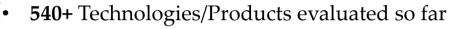
## SkyQuest Quick Facts



• Sectors :

Lifesciences | CleanTech | Agritech | Nano & Engg | FMCG | Digital Media

• **103+** Clients served from around 16 countries



The only Private Sector Workstation of UNDP promoted SS-GATE, access to **39** Countries in ASIA, AFRICA & MIDDLE EAST





- **37** Transnational Licensing Deals
- 108+ Mn USD raised from HNI's & cos for investments into 16 Start-ups

*Expertise:* Data Driven Research, IP Management & Commercialization







Innovation clusters often start-off and flourish with great hopes and names like Tech Village and BioValley. They also create a successful paradise of budding entrepreneurs. More often than not the sheer lack of direction, urgency to perform and acceleration labels them as *'failed clusters'* 

SkyQuest has taken several initiatives to address intangible bottlenecks directing innovations to marketplace .....

### Initiative 1: SS-GATE – UNDP (www.ss-gate.org)



### Problem we wanted to solve for emerging innovations and resource scarce countries

**South-South Global Assets & Technology Exchange (SS-GATE) a platform that** *promote the identification, sharing and transfer of innovations and technologies between developing countries in a number of key development sectors including health care, energy services, agricultural production, housing and infrastructure.* 



#### Initiative we took to address them

**Design new structure and operational framework** *tailored to needs of developing/South-South countries through in-depth* **Assessment of SS-GATE through** *Vision & Strategy, Business Model, Processes & Systems* 

5 Continents 38 Countries

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### Impact created by us

- Customized short, medium & long term goals to assist developing countries seek and obtain technologies and investments
- Match Submit List Review Support Implement Project Needs & Project becomes Project, need Submission Legal & or solution examined posted solutions reality financial advice

**New Engagement Platform** 

- **2.** Renewed **local facilitation and transactional support** provided through country centers, regional hubs and the SS-GATE secretariat
- 3. Online & offline platforms to promote transactions and services
- 4. Increased efficiencies through redesigned identification and selection criteria for Workstations
- 5. Brought in self-sustainable mechanisms through success based fee structure

## Initiative 2: Promoting the much needed ... Innovation Clusters





Problem we wanted to solve for emerging innovations and resource scarce countries
Shift commercially viable innovations from labs and incubators to Adopters, Implementers,
Entrepreneurs, SMEs & Industry

### Initiative we took to address them

**Developed & Conceptualized Asia's 1<sup>st</sup> ever series of Lifesciences Technology Roadshow** –*a* sustainable & accessible transactional platform for Innovation exchange



### Impact created by us

- **1. Enabled innovators** from over **40 countries** to interact and pitch to Industry, Investors and Implementers independent of the traditional channels
- 2. 4 Sustainable platforms Transforming successful innovation led enterprises globally
- **3. Building, nourishing and churning out** great innovations and entrepreneurs to market place with **higher success rates than Incubators**

### Created & Conceptualized Asia's first ever technology access platform



**First patented** 

tech auction

gets 50 cos

Similar auotiona

are held in the US.

Europe, Japan

and Australia



# First patent tech auction in A

#### Vishal Dutta AHMEDABAD

A kills mosquitces using a bird feather, a on a regular basis. This would be one of its kind transdermal patch for contraceptives drug de- patented technology transfer platform showcaslivery and a technology that can turn snake ing 50 patented novel technologies from across venom into an analgesic that can help cure India. One of the major attractions for the pharneuropathic pain. All these are a few samples of ma industry would be gefitinib (Iressa), a drug patented technologies that would go on auc- used in the treatment of non-small cell lung cantion in India's Tech Transfer 2010 showcase ex- cer and the product is a patented product of Asdusively for patented pharma products in traZenaca since 1994. Asper 2009 annual report Ahmedabad on August 28.

has been organised by Foundation for MSME products globally. Presently, Natco Phanna Cluster in alliance with Skyquest Technology manufactures it using a different process



itating, buying and selling of patents in India. If things go as planned, India would soon join the dubof elite countries like US, Europe, Japan and HERBAL drink that tastes like beer, a Australia, where economic growth is fuelled by bio-insecticide product that attracts and technologies bought and sold through auction of AstraZenaca, Iressa generated revenue of The one-day patent technology showcase \$297 million and is one of the fastest-growing Consulting, a private company engaged in facil- method while Intas Biopharma markets gener-

> ic version of gefitinib, after acquiring rights from other company would be that the patent technology showcase will display another non-infringing process of production of gefitinib, a technology steps, thus saving cost and time.

ATENT	TRUTHS	Alexander	of patent hol tise their kn
-	Country	No. of patents filed	place to go fo products. "I]
-	US	4,56,321	organised for
	Japan	3,91,002	is quite popi Abhishek
	China	2,89,838	Closer2pate:
	South Korea	1,70,632	based in Mu According
	European Patent Organisation	1,48,150	World Inte (WIPO) stati
	India	35,812	cations filed, SouthKorea
2	in hela.	1000	ganisation 1, by Indian Pa number of pa
	and the second se	Same -	36.812. out c

its-kind patent showcase that has been organised in the country, where patent holders (sellwhich also has a different process ers) and companies (potential buyers) would method. The interesting part come face-to-face on the same platform to discuss, negotiate and strike a deal. "There is a huge potential for developing business in patent auctioning as the economy grows. Companies need more products to add to their existing portfolio which increases the yield of gefi- and with patented products, the companies can tinib production in less synthetic create niche market for themselves," she adds.

Currently, there is no common platform According to Shriya Damani, co- where companies can go for shopping patented firms/patent Foundation for MSME Cluster, a showcased, founder & CEO of Skyquest Tech- products, which is now a common practice in nology, this is probably the first-of- developed countries. Similarly, a large number sale of five p

oser2pate sed in Mu According orld Inte /IPO) stati ions filed, uth Korea nisation 1, Indian Pa mberofp 812. out tions were b year, 16,061 office in India He furthe tion practice are few onli and hence i "My professi says that the cialisation de

dividual les "Last month

AHMEDABAD. Ahmedabad on Saturday, Major pharma cum-GOOD SHOW

Vishel Dutte

panies that took part in the auction included Alembic, Cadila Pharmaceuticals, Famy Care, Indoco Remodies. Tottent Pharma, Astron. Research and others.

Other companies

minister too attended the event.

The event was organized by paterned technologies would be

non-profit organisation, in alliance with Ahmedabad-based Skyouest Technology Consulting, a private NDLA'S first auction of patented company engaged in facilitating technologies saw 50 representa- buying and selling of patents in Intives from the pharma industry dia. Dr Subodh Adeahara, ex comtaking part in an event held in missioner Gularat's FDCA was the chief guest.

Similar auctions are held in the US. Europe. Japan and Australia. According to Shriva Damani, co-founder & GBO of SkyQuest Technology, "Pharma industry representatives came from Himachal

that participated in this patent auc- Pradesh and from South India to tion were Infinium Pharmachem, participate in this event." Talking to Ishita Drug & Industries, Accura ET, Dr A S Rao, advisor to Founda-Care Pharma, Asio Biosolutions, tion of MSME Clusters said 'I am and Blotnas Pharma, representa- astonished after seeing the kind of tives from GVF,, a venture capital response this event received." He firm and CM's Fellow, a fellowship said Foundation of MSME would program set up by Gujarat's chief organize a similar event at Hyderabad soon where more than 200

## PAN Asian Technology Roadshows: Innovation to Markets





Innovation Transfer and on-ground commercialization efforts- **improving technology access & dissemination activities** in India, Israel, South Korea, China

**Connecting Innovators and entrepreneurs to Industry and Investors** 

### What does success looks like



contribution, resource sharing and exchange amongst the innovation ecosystems



800+ Incubators, TTOs, Universities



**40+** Countries are accelerating innovations to market

22 Nodal technology hubs and innovation clusters





**250+** Expression of Interests for innovations showcased

**4** Transactional platforms developed

**38** Innovations mobilized to market



CEDARS-SINAL UNOSSC

SS-GHX

RYERSON UNIVERSITY

**\$108 mn** available from HNIs to fund innovations

ALBOAN









## Asia faces an acute skills gap challenge

Insufficient numbers of domestic skilled manpower compels foreign players to hire talent from west

The lack of skilled personnel and the increasing gap between the supply and demand of well-qualified human resource is acting as a major hurdle for Asia to emerge as a center of research and innovation

There is a lack of coordination between the private skill development organizations and ministries who offer a multiplicity of programmes

There are turf wars between ministries whose proposals run parallel to each other

## Initiative 3: Identifying inefficiencies and finding opportunities





- 1. Identified the **key attributes/Skill sets required** by cross sector Industry vis-à-vis ability of existing systems, infrastructure and development plans to address the pain points
- 2. Brought down inefficiencies to align research outcomes to unmet ecosystem needs



#### Initiative we took to address them

- Assessed current R&D status & technical skill sets of R&D personnel, behavioral mapping of Individuals, Trainers, Institutions, Implementers
- 2. Mapped functional bottlenecks & inefficient corridors
- 3. Identified successful practices adopted & implemented globally vis-à-vis existing



- infrastructure and findings
- 4. Built required pre-requisites to strategize the pilot plan and measure research outcomes

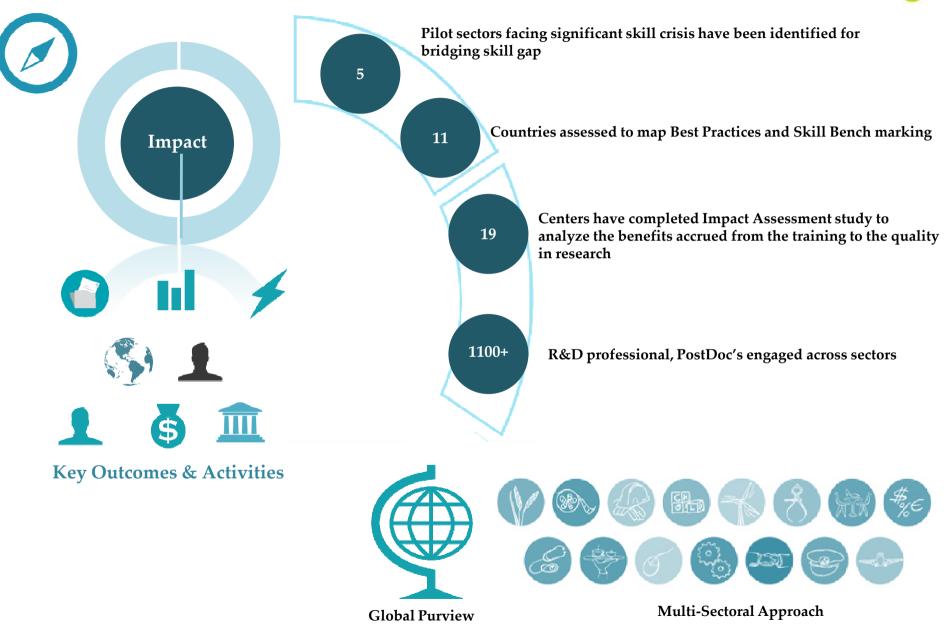


### Impact created by us

- 1. Sector specific action plan on bottlenecks in R&D (quality research, skilled manpower etc), Best practices followed in other countries **outlining immediate focus areas**
- 2. Organize & conduct Train the Trainer programs (for 300 participants)
- 3. Focussed sessions to increase bandwidth over commercialization/productization
- 4. Customized modules to **focus on addressing the 'soft-skills'** gap in R&D professionals



### Initiative 3: What does success looks like



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### Impact- Conceptualizing Skill Gap Bridging Initiatives

Our initiatives have helped Nodal innovation agencies, Researchers, Problem solvers from developing countries like China, Thailand, Malaysia, India, Srilanka, South Korea to:

- Enhance Technology & Research Management Skillsets of Nodal innovation agencies and researchers
- Develop ability to comprehend challenges and implement strategies for Technology Resources and IP Management
- 3) Improve **value transference** in evaluation, Protection and monetization of IPs
- 4) Enhance **decision making** w.r.t evaluating Risks associated with R&D projects









### Innovation= Currency of Research

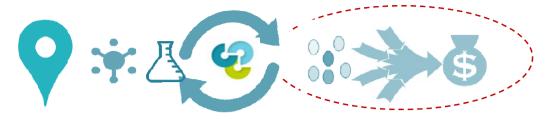
Millions of dollars are spent on Incubators, Mentoring, strengthening Nodal research institutions, scaling-up infrastructure, designing programs etc. In most cases, the results never shape up (changed priorities, over/under underutilization of funds, unchanged research approach, talent pool etc)

Great companies and innovations are often born in garages, cramped spaces, kitchen tables, basements and dorm rooms and small research set-up that is far away from incubator distractions. Globally the innovation potential and bottlenecks at the Bottom of the Pyramid have always been undermined

SkyQuest has set a bold example to unlock the potential & the kind of contribution this segment can bring in

### *Initiative 4: Innovation = Currency of Research*





Problems that we wanted to solve were to make Innovations accessible, Efficiently manage technologies and also address innovation monetization crisis at ground level



### Initiatives that we took to address them

- Mapped innovativeness & commercial viability of innovations from researchers, universities, R&D centers, TTOs, SME Clusters, Start-ups and incubators
- 2. Structured & conceptualized an integrated plan to
  - Sensitize the 'Problem Solvers' on IP concepts
  - Importance of IP & Research Management
  - Advanced Training & Mentoring
  - Proposal/ Grant writing
  - Best Practices of IP Monetization
- Conceptualized 'Innovation = Currency of research' initiative for developing ecosystems viz India, China, Thailand & South Korea

Conceptualized and India and successfully implemented in China & Thailand







### Initiative 4: What does success looks like



## Impact that we were able to bring in

- 1. 900+ Aspiring Innovaters and Techno-entrepreneurs trained
- 2. 1200+ Innovators, Researchers, Entrepreneurs, Start-ups benefiting from the initiative
- 3. 18+ Universities/Research Institutions from 4 countries
- 4. Technologies adopted by 8 sectors
- Sustainable and Ready-to-deploy platform implemented in 28 innovation hubs
- 6. Improved value transference in the evaluation, protection & monetization of IP's generated

### Change-makers





#### Inspiring the young blood



*"I was a B.Com Graduate having no background in biotech"* 

— Mr Rajiv Gandhi CEO & MD, Hester BioSciences







*Endeavors to provide Multi-national resources to SMEs, Innovative Start-ups, Researchers and Innovators to accelerate technology adoption* 

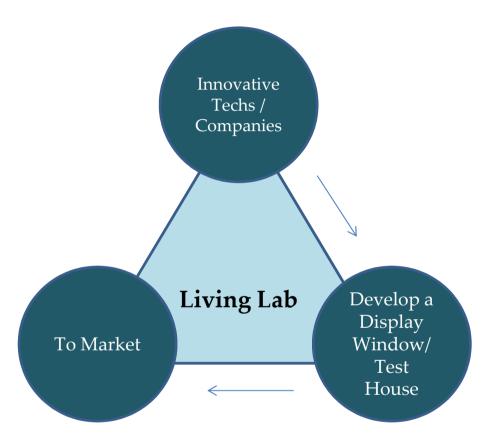
\*An indicative list of initiatives

## *Living Lab – The Usability/Adoption Showcase*

SkyQuest launched **Living Lab Model** to address challenges associated with implementation & adoption of new technologies

Identified **11 Centers** wherein the technology seeker/user/customer can see the technology in action and conduct their own due-diligence

The Living Lab serves **as Market adoption window for new technologies** thereby accelerating their adoption





## Multi-National Technology Incubation & Acceleration



### Graduating start-ups & SMEs to new markets

Indicative- Successful Case studies implemented: Advancing Technology from Europe to Asia A point of care diagnostic technology for Women's Health

Proprietary Biodegradable Super Absorbent Polymer Technology from Israel

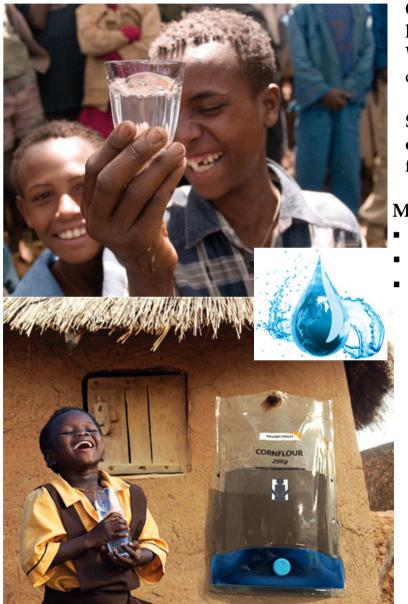
Advancing Technology from North America to Europe, LatAm & Asia Proprietary wound-care dressings by Canadian company targeting Asian & Latin American Markets Exsalt® T7 dressing: Exsalt<sup>®</sup> SD7 dressin

## Searching for the next big idea to tackle humanities grand challenges

- 1. Creating Focused Solution Sourcing Platforms
- 2. Thematic Innovation Acceleration Programs
- 3. International Problem Solving Competitions

## Eg. 1 Making WATER accessible to the developing world





**Objective**: Create innovation acceleration programs to landscape and identify **innovative**, **sustainable & scalable Water tech solutions** for **Home & Community** use for the developing markets

**Sponsor:** Fortune 500 company that aimed to make **communities self-sustainable** to meet their daily water needs for drinking & community use

### Mandate and target segment:

- Non-industrial focus (drinking, home & community use)
- Water recycle & re-use solutions for community use
- Identify ready to deploy solutions from startups, SME, academia and R&D ecosystem

### Key highlights:

**800+** Universities, research centers, Start-ups & SMEs



**1500+** Patents

60 Viable solutions for developing world

Image for representation purpose only

## Eg. 2 Green Antimalarial Solutions for Asian Markets





**Objective**: Create focused solution souring platforms for Green, Sustainable, Affordable, Anti-malarial solutions for Asian markets

**Sponsor:** Family owned MNC with a portfolio of 400 + products and business operations in 150 + markets

### Mandate :

- Green, Sustainable, Affordable Anti-malarial solutions lasting for over 9 hours (dusk to dawn)
- Below the radar sustainable solutions with significant consideration to solutions from Grass-root innovators, traditional know-how, Start-ups, SMEs, Research Centers, Universities, Individual innovators, Self-help groups etc

**300+** Universities, nodal research centers, TTOs, Start-ups, SMEs

**UUU** Universities, notar research centers, 1103, 5tart ups, 5tarts

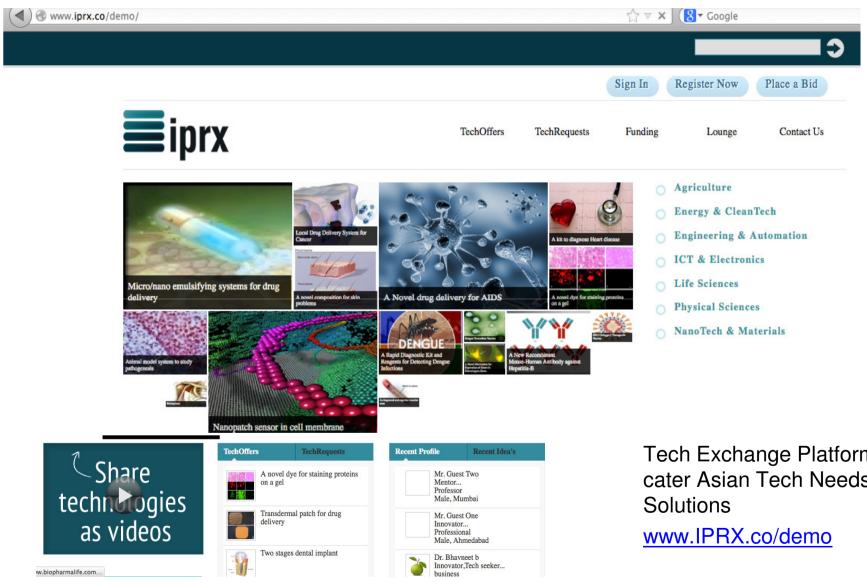
Key highlights:

85 Individual innovators, grass-root innovators & self-help groups

**58** potential solutions evaluated for efficacy

17 solutions qualified for commercial discussions

### **IP Management - IPRX**



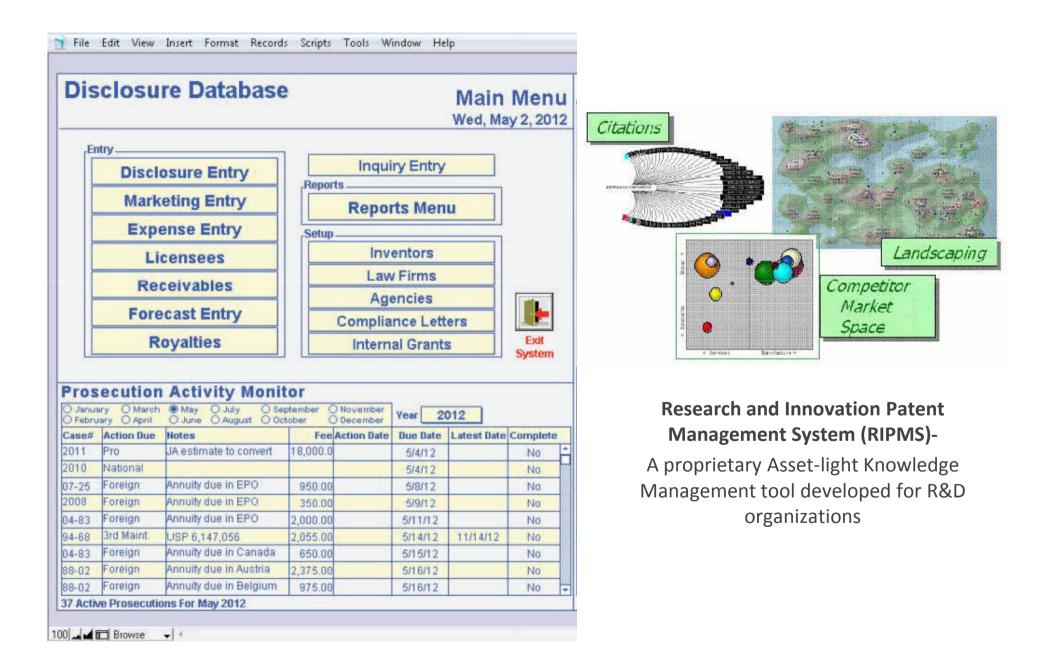
Tech Exchange Platform to cater Asian Tech Needs and

## *IP Management – Biopharmalife*

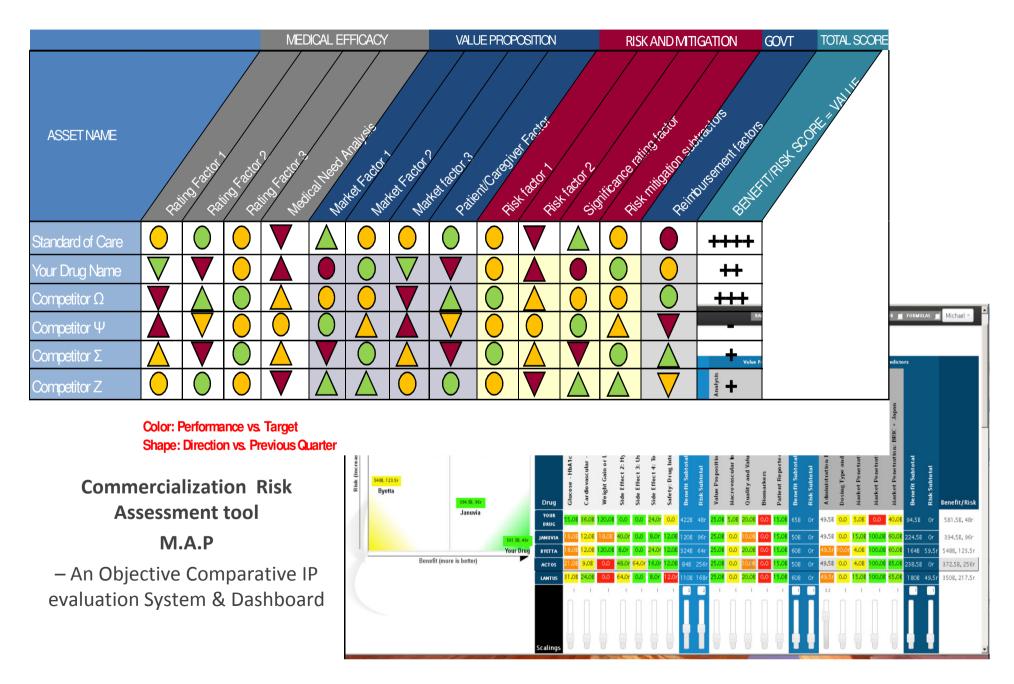
platform for bio-pharma-life sector researchers, innovators, entrepreneurs & investors to interact, colla	aborate and transact           Profile         Place a Bid   Tech Listing & Profiling
BIOPHARMALIFE TechOffers TechReque	ests Funding Lounge Contact Us Assess Objective
HOME > MY BIOPHARMALIFE > TECHNOLGY DETAILS >	
Technology Request Form	My Account Wiew Profile Primary Screening
TECHNOLOGY DETAILS	i
Select the categories in which you are looking for the technology *	» Edit Profile
Primary Select	» Change Password Evaluation
Secondary Select 💌	
Title *	Technologies
Summary of the technology sought in brief (Use 20 - 30 words) *	Add Tech Requests     Showcase
	» My Tech Requests
Overview/Description of the requirement *	Add Tech Offers Interact & Populate
	» My Tech Offers
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	Expert Advise
Area of Application of the technology; What should the technology do?*	
Please provide general areas of use and the product/process and/or method you will use this technol For example: pharmaceuticals - cancer drugs, chemical processing - test equipment.	
	» Inbox
	» Outbox Schedule Techno-
Mention what the technology 'must not' do	» New Message Commercial Discussion
PREVIOUSLY ATTEMPTED SOLUTIONS	
Please describe potential solutions that have already been applied (unsuccessfully) to solve your nee	ed. Transact
	» Add Event
REQUIREMENTS TO BE MET BY THE PROPOSED SOLUTIONS	* My Events Tech Exchange Platform to
Technical requirements	
It is essential you formulate them if you are seeking suitable	cater Asian Tech Needs an
nranasis	Solutions

- -

### **Research and Innovation Patent Management System**



### **Market Assessment & Pricing**



## Market Assessment & Pricing

MAP Diabetes - Current Set Scorecard Manage Help -	RANGES 📕 GRAPH 💆 SCALING 📕 VA	LVES 📕 E	DITOR 👿 FORMULS	s 🗂 Michael =
Side Effect 1: Weight Gain or Loss				
Side Effect 2: Hypoglycemia		Lantus		Ados
Side Effect 3: Use Deterrent Frequency				
Side Effect 4: Toxicity	199	Byetta		
Safety: Drug Interactions	liter market			
Value Proposition				Januvia
Value Proposition 1: Cost Effective Analysis				
Value Proposition 2: Macrovascular Impacts			Benefit (more i	Your Drug
Value Proposition 3: Quality and Value	L			
🖓 Value Proposition 4: Biomarkers				
Patient Reported Outcomes				
Market Uptake Predictors				
Administration Ease			Drug	
Dosing Type and Frequency			YOUR DR	
Market Penetration: U.S.			BYETTA	
Market Penetration: Europe			ACTOS	
🖉 Market Penetration: BRIC + Japan				

## Social Media Marketing and Technology Promotion

 Target Market Positioning using Sentiment and Big Data Analysis

For improving visibility

• Online Campaigns: Undertaken for promoting technologies as well as looking for technologies through Online polls, online contests

Used for Technology scouting in the pest control arena for a Fortune 500 client



## Who, Why, What & How





### Who are we?

A global innovation commercialization and acceleration organization lead by practitioners and change makers

### Why we exist in the innovation ecosystem?

There are thousands of Technologies, Innovations, IPs coming in from Start-ups, Research Labs, Incubators, Universities and associated TTOs that have been following a stereotypical (time & resource in intensive) commercialization path.

The Innovation ecosystem clearly lacks efficient practitioners and implementers to take bold initiatives leaving a self- sustainable impact on the society

### What problems do we solve

Directing innovations beyond Labs & Incubators and bring them to the customer and markets where they are required the most (developing countries and beyond) Bring in expertise viz. access to transactional platforms, functional resources, skill-sets, training to create sustainable commercialisation & monetisation mechanism

### Change Makers and the management team



Akash Bhavsar Managing Director



**Shriya Damani** Director & CEO



**David Chou** Director – Taiwan-China



Bharat Rudra Country Head-Canada



**David Furst** Director- EuroAsia



**Dr. Jingli Li** Country Head & Director-China



**Dr. AS Rao** Director Partnerships and Alliances



David-Oh Country Head & Director-S.Korea



Ashley Stevens Advisor



Carson Wen Advisor

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σ' ευχαριστώ

merci beaucoup

obrigado



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grazie

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