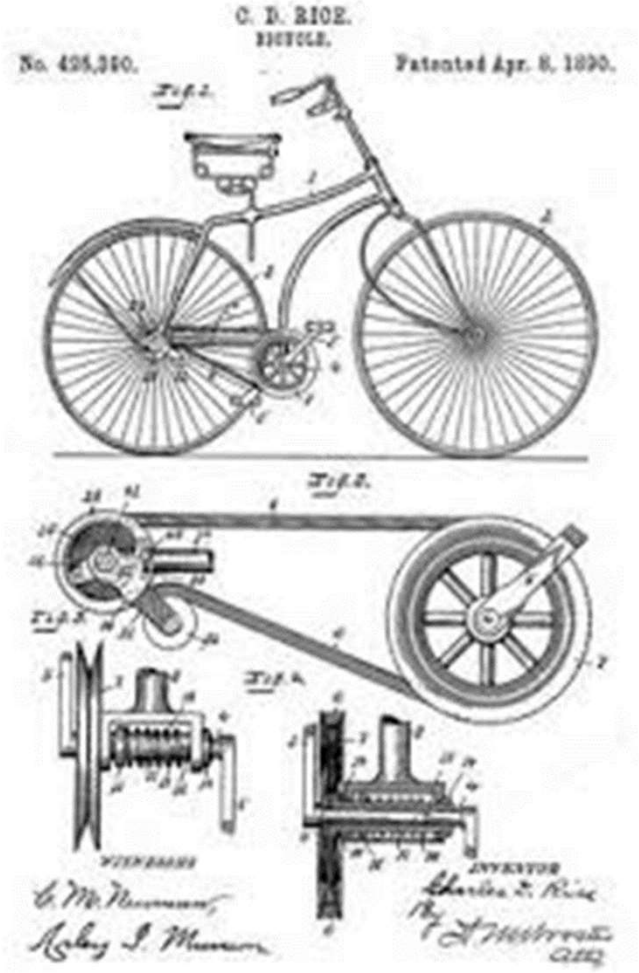


IP-Logistics Consortium

Transforming USA Supply Chains through integrated & efficient deployment of American Know-How (IP)

"If anything imaginable is possible, if there are no constraints whatsoever, what would be the nature of a trustworthy organization to…

effectively facilitate the fair exchange of

integrated intellectual property

including trade secrets in a distributed system?"

Adapted from Dee Hock, VISA founder

Hidden Intellectual Property

"Patents represent what percentage of the total

U.S. intellectual property?"

The Challenge:

America is paying too high a price for supply chains that went off-shore for cost savings in terms of risk to our economy and in terms of the loss of middle-class American jobs & income.

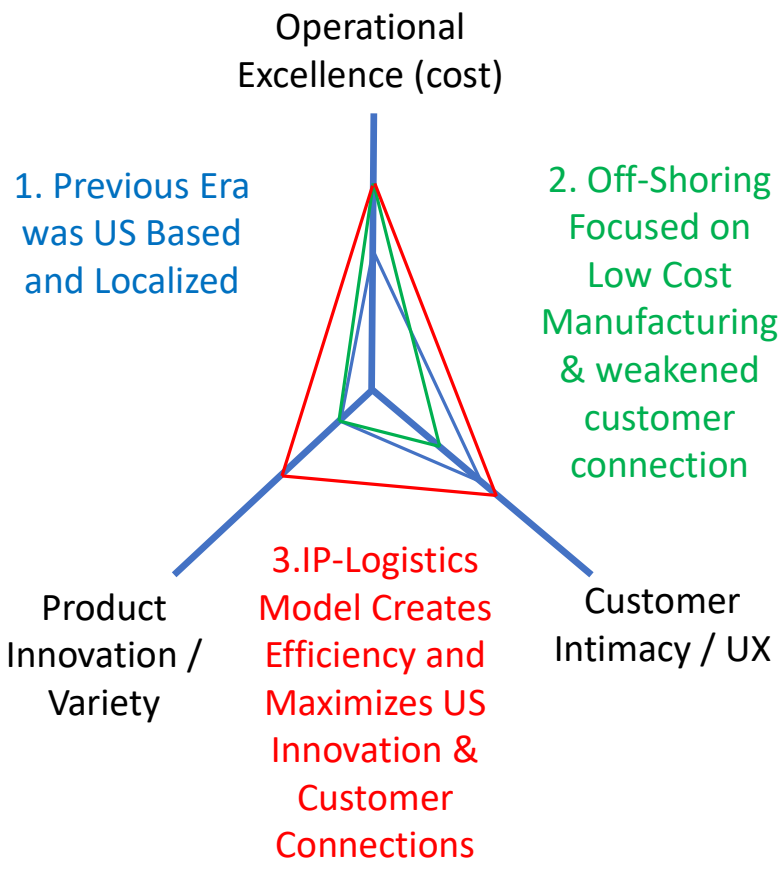
The IP-Logistics Response:

We can overcome labor cost disadvantages by unlocking a frictionless path for the flow of products and technology to at-scale products built by Americans for Americans and the world.

Deploy the totality of U.S. know-how to bring the American dream back to everyone who lives and works here.

Leverage Entire 3D Map of Competitive Advantage Sustainably

Evolution of Supply Chain Competitive / Strategic Priorities in USA



Keys to Success:

- Capitalize the base of known Intellectual Property (Patents) for easy acquisition
- Identify and make the hidden reserves of IP readily usable
- Smart Systems that link and integrate all forms of IP into solutions to needs
- Immediate scaling by tapping capability sets in U.S. small businesses

Speed and efficiency of product innovation and scaling drives down fixed costs, making labor less critical to total cost

Frictionless Product Innovation Serves Consumer and B2B Needs

FOR CONSUMER GOODS: IP-Logistics Creates a Frictionless Path from Idea to Global Sales

FOR B2B Sector: IP-Logistics Creates Frictionless Path from Invention to at-Scale Innovation

Using proximity to needs and customers as well as smart-systems based integration of capabilities to generate optimal, responsive U.S. based supply chains that hire Americans

Roadmap Creates Return On Investment at Each Phase

Phase I: Focus on Efficient Reshoring Supply of Critical Items

Goal: Rapid, efficient matching of products needed to competent U.S. suppliers with know-how and scalable capacities

Approach:

- Transform existing, diffuse data encompassing manufacturing capabilities and capacities into nation-wide resource to rank ideal makers for any product
- Leverage existing search and mapping tools to locate visible (patented) IP needed for any gaps
- Establish Regional Centers for Product Assessment and Re-Design

Initial (Continuing) Outcomes:

1. Secure US supply chains for most critical items
2. Surge in US Mf'g Sector
3. Turnaround in middle class jobs for US workers

Phase II: Focus on Highly Efficient Innovation Systems & Networks

Goal: Enhance systems to include hidden IP / know-how and integration of multiple IP sources to enable rapid commercialization

Approach:

- Enhance Phase 1 systems via high trust networks (CEO Forums, e.g.) to find hidden IP in labs, mf'g & design sectors
- Implement IP Integration tools to connect partial solutions into hi speed innovation
- Regionalize unique Centers of Excellence with specific technology application focus
- Mine manufacturing network for serial innovators and early adopters

Added Outcomes:

1. Secure US supply chains for broad range of existing needs
2. Hi speed innovation delivering enhanced products in US for US

End State – Frictionless Paths for Solutions to Anticipated Needs

Goal: Anticipate future consumer, business & Gov't demands to drive innovation

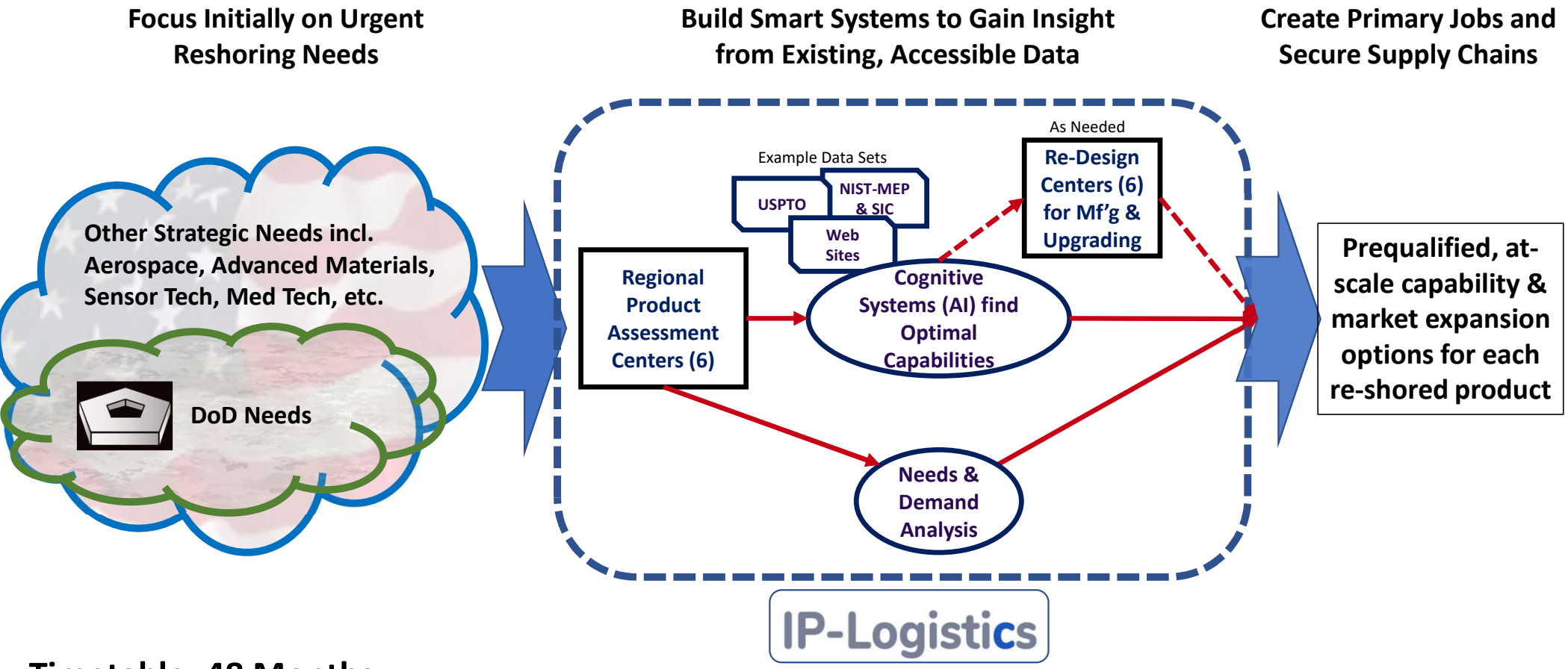
Approach:

- Cognitive systems that take functionally described needs and map all possible technical paths and combinations to meet the needs
- Combine insights from mining / analysis of structured and unstructured data to build anticipated need maps for consumers, businesses and gov't
- Rationalize organization to fit state by state needs and usage

Final Outcomes:

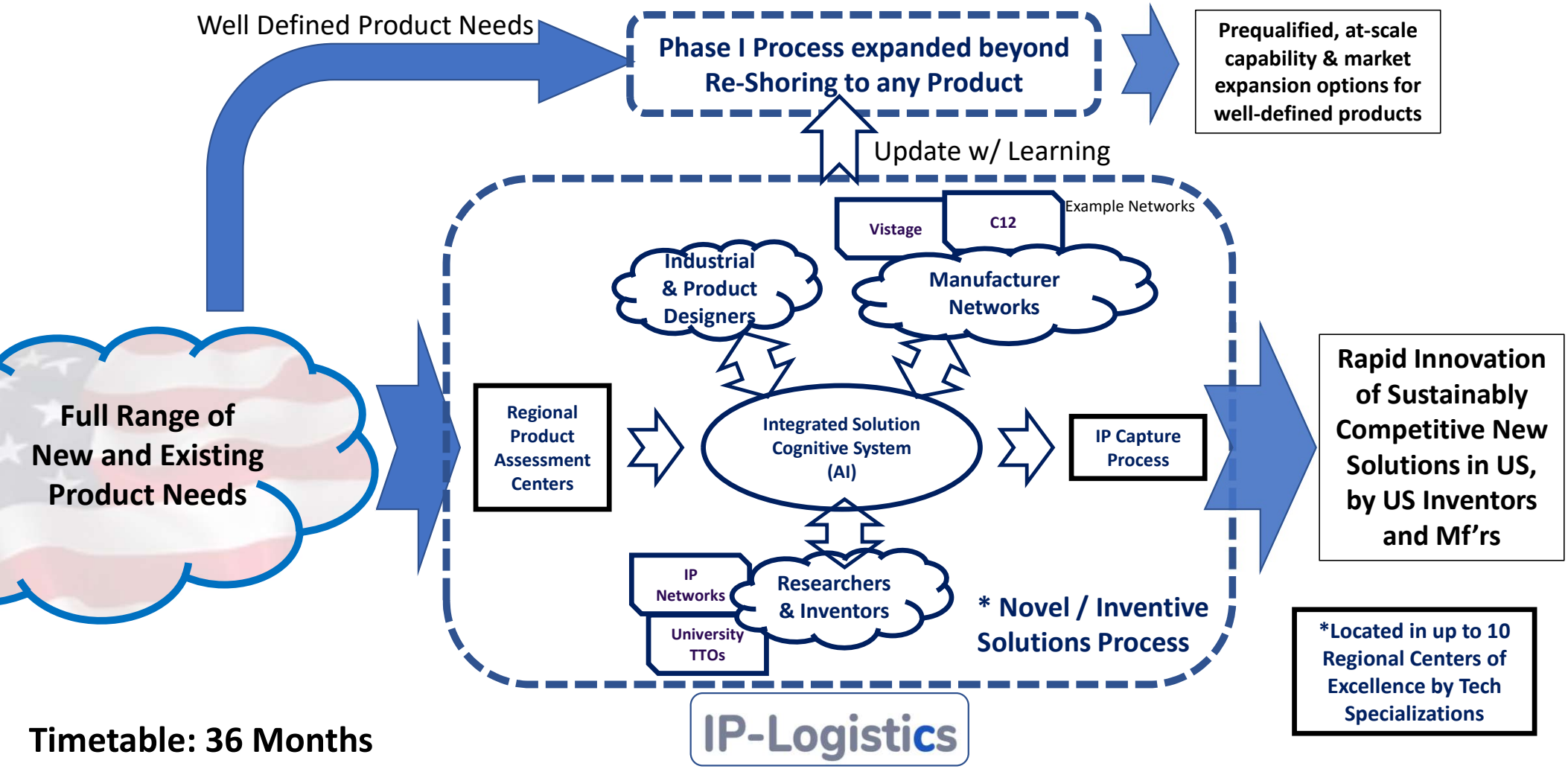
1. Low friction pathway from invention to production offsets labor disadvantages
2. Global commercial leadership

Phase I: Leverage Existing Data & Capabilities to Meet Strategic Needs



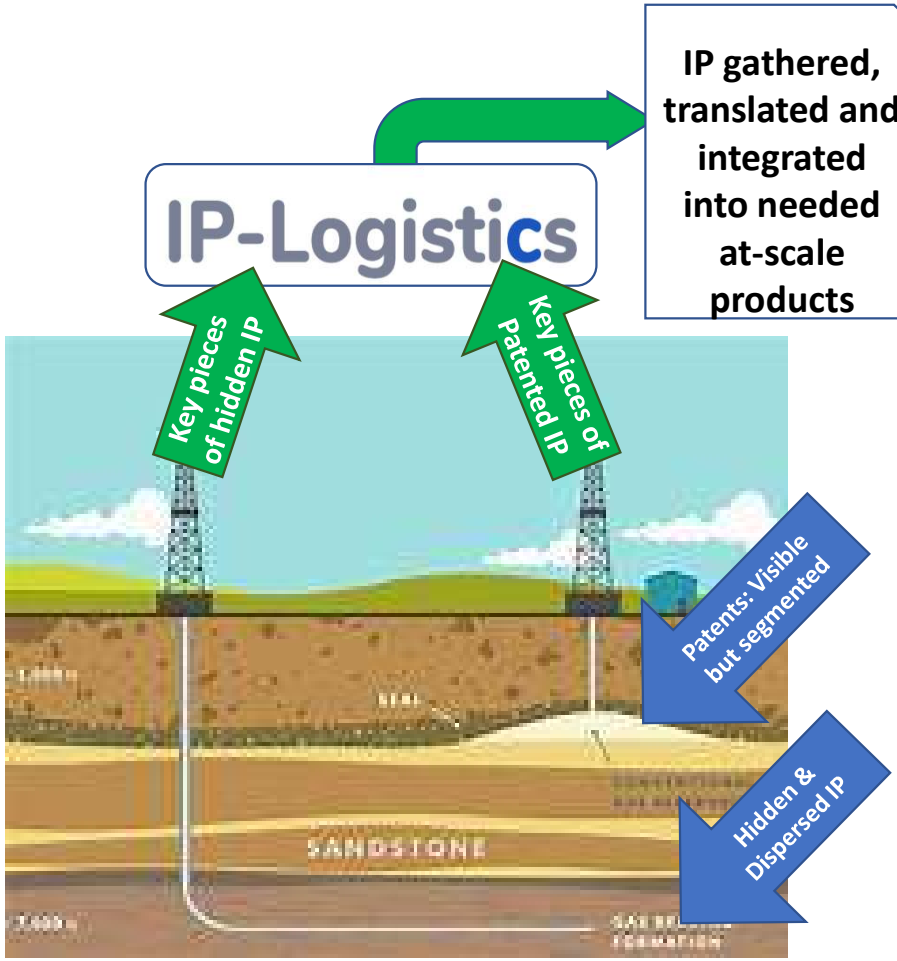
Timetable: 48 Months

Phase II: Adds Optimized Innovation with Trusted Partners



Timetable: 36 Months

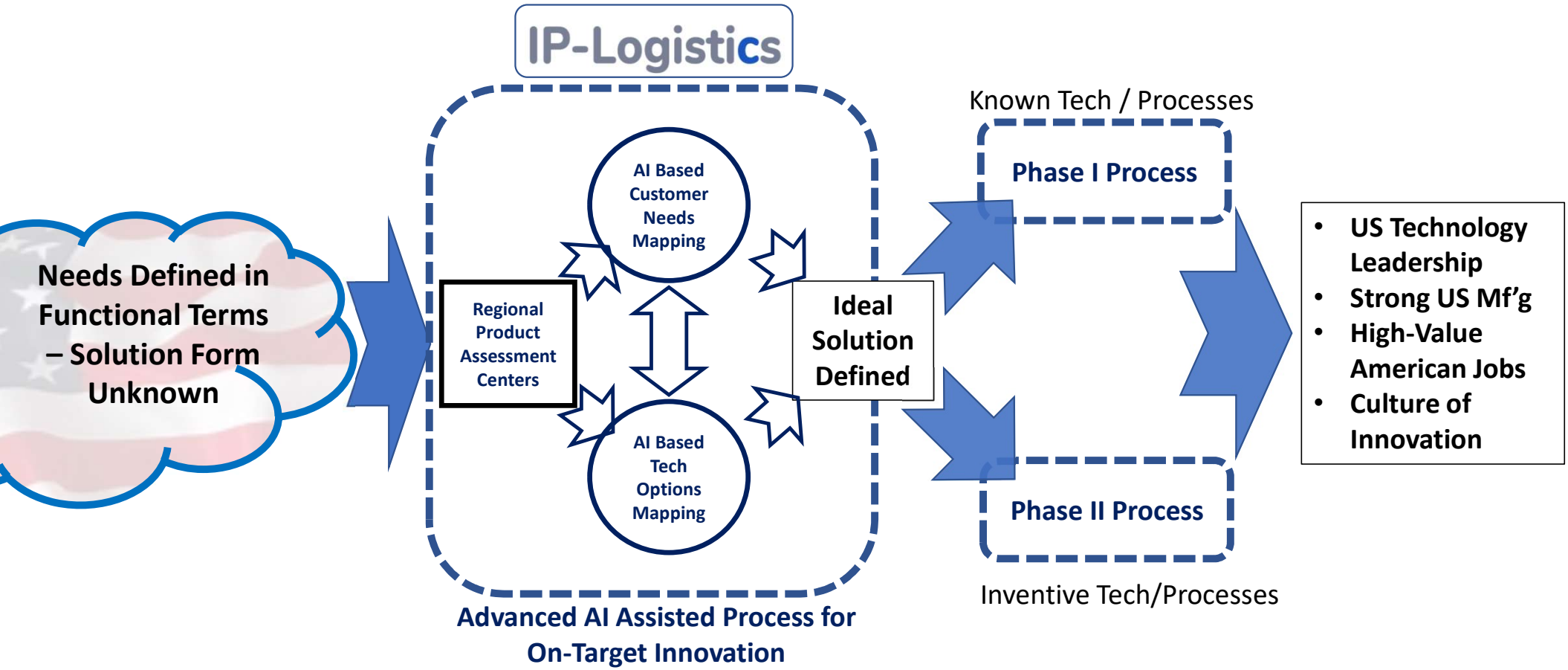
Phase II Success Factor: Locate, Acquire and Include "Hidden IP" for Integrated Solutions Addressing Emerging and Complex Needs



- Universities only patent inventions with known path to market and have more in notebooks & file drawers
- Mid-Size companies have many underdeveloped ideas and are limited by risk and personnel capacities
- Would–be inventors of products are daunted by the cost and a labyrinth of processes for IP protection, prototype construction, engineering and manufacturing
- Experiential operational knowledge and formal trade secrets are all deliberately hidden to compete

IP-Logistics builds the "seismic" tools to detect and "drilling" technology to tap hidden reservoirs & release flow

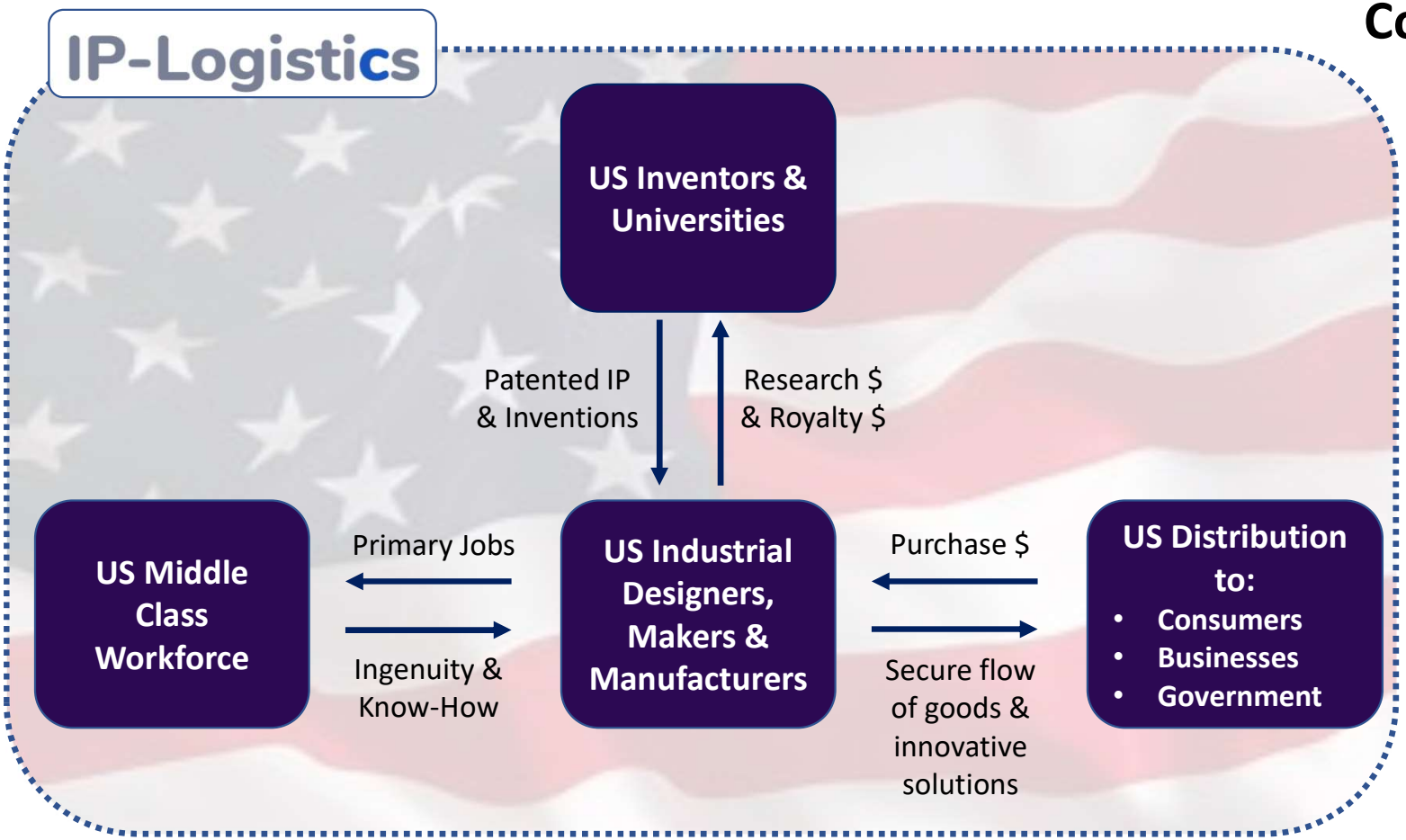
Phase III: Adds Cognitive Systems to Tech and Needs Mapping



Timetable: TBD

End State: Intelligent Competitive Supply Networks

"Increase the size and discretionary income of the middle class."



Consortium Creates US Wins:

- Researcher Institutions & Inventors gain fair, rapid returns via usage
- Manufacturing Sector flourishes with high demand for knowhow
- Middle class jobs that reward skills with full living wages
- Distribution Sector gains access to higher margin, upgraded products
- Public investment recouped from expanded economy and tax base

Critical Deliverables Achievable in 18 Months

Develop Smart Infrastructure

- National scale Mfg capability database including patents and know-how, indexed by critical Mfg needs.
- Identify, acquire and integrate products, technology and trade secrets that are **not** patented and build a private database along with algorithms for the integration of intellectual property.
- Create a cybersecure system utilizing sets of private databases to identify and connect distinct assets for value-added intellectual property (IP) and trade secrets that are not protected by patents.

Connect Physical Assets

- Build a network of existing manufacturing companies with 50-500 employees that have core competency, management and cash flow to scale with minimal risk as well as expanding America's supply chain.
- Organize "skunk works" to demonstrate the value of integrated IP utilization for flagship opportunities.
- Fund Proof of Concept Centers across the U.S. specializing in critical needs and product sets.
- Fund limited applied research in various corporate and university labs where IP-Logistics owns a patent.

Concentrate Core in Mid-West with U.S. wide reach

- Selectively acquire and headquarter firms for full collaboration.
- Collaborate and leverage Vistage network by creating educational packages for 2,100+ Vistage's facilitators to expand their role regarding integrated intellectual property for top-line growth and educate 23,000+ global CEO's/owners.
- Encourage emerging suppliers that can scale to headquarter in an American city.

Founders are Prepared and Partnering

The Founders

Dr. William Wilkie
Organizational psychologist, visionary on IP, executive for Tier I, recruiter/coach/owner.

- Keeper of the VISION
- Recruit staff & skunk-works leaders

Joe Rollins
Visionary, innovator, educator, networker for NW Arkansas as well as a patent holder.

- Brand NWA… a national site for IP
- Partner with Walmart supply chain

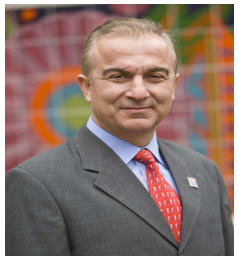
John Fitzpatrick
Electrical engineer, industrial consultant, executive and entrepreneur.

- Leverage Vistage and MEP; Cognitive System for Mfg
- Find & connect Design & Prototype Talents

Dr. Greg Leman
Transformation leader in corporate, education, and entrepreneurial sectors.

- Apply cognitive systems to customer research
- Build university network from existing IP base

Dr. Dursun Delen
Real-world knowledge discovery with data and text mining expert.



- Apply AI and machine learning principles
- Design algorithm, identify, & integrate hidden IP

The Tasks –

The founders share ownership regarding the impact of hidden intellectual property in the 21st century for Northwest Arkansas.

Partnering Connections

- **Vistage, Int.**
- **NIST-MEP**
- **Universities**

- **NWA Council**
- **K-!2 Education**
- **Universities**

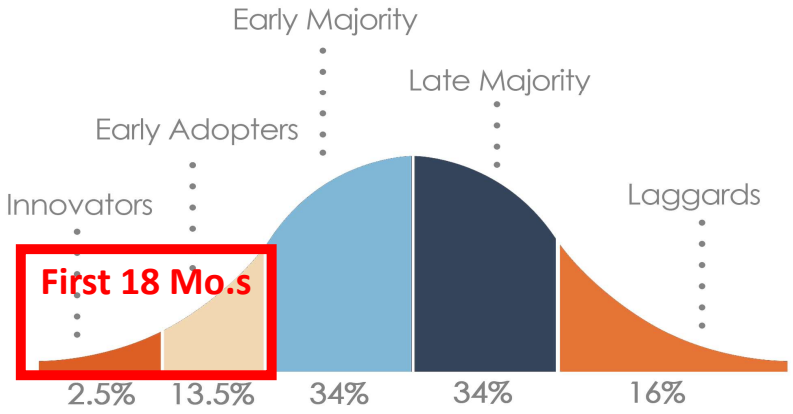
- **Vistage Facilitators**
- **Tulsa Influencers**
- **Cybersecurity**

- **Baylor University**
- **Blueprints Lab**
- **Tremonti**

- **Oklahoma State University**
- **DoD, NIST & DoE**
- **AI National Associations**

Core Team's Focus:
Engage the first 16% across stakeholder groups

- **John Fitzpatrick…**Electrical Engineer, industrial engineering consultant and industrial executive management with Harley Davidson and Indian Motorcycle Company. Teaches Cybersecurity…M.S.
- **Joe Rollins**…Founder and former Principal of the Springdale Innovation High School before joining the NWA Council to partner with constituents to innovate by creating formal and informal work-force related programs for K-12, higher education and professionals in Northwest Arkansas.
- **Greg Leman…**Industry product development with Dow Chemical after completing a Ph.D. in Chemical Engineering. At Baylor University, Greg was a clinical professor involved with intellectual property, start-ups and strategic decision making.
- **Dursun Delen…**Professor of Management Science and Information Learning at Oklahoma State University. Dr. Delen has a Ph.D. in Industrial Engineering and Management from OSU. He was a scientist with Knowledge Based Systems, Inc., focused on advanced analytics research projects funded by corporations and federal agencies including DoD, NASA, NIST and DoE.
- **William Wilkie…**Visionary regarding intellectual property and emerging economies in the 21st century. Ph.D. as well as an executive role leading a Tier I automotive supplier company. Bill's passion is invisible intellectual property and commercialization for primary job and headquarters creation.



Rogers Diffusion Of Innovation Bell

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Will you join us as an uncommon friend?

IP-Logistics Consortium

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