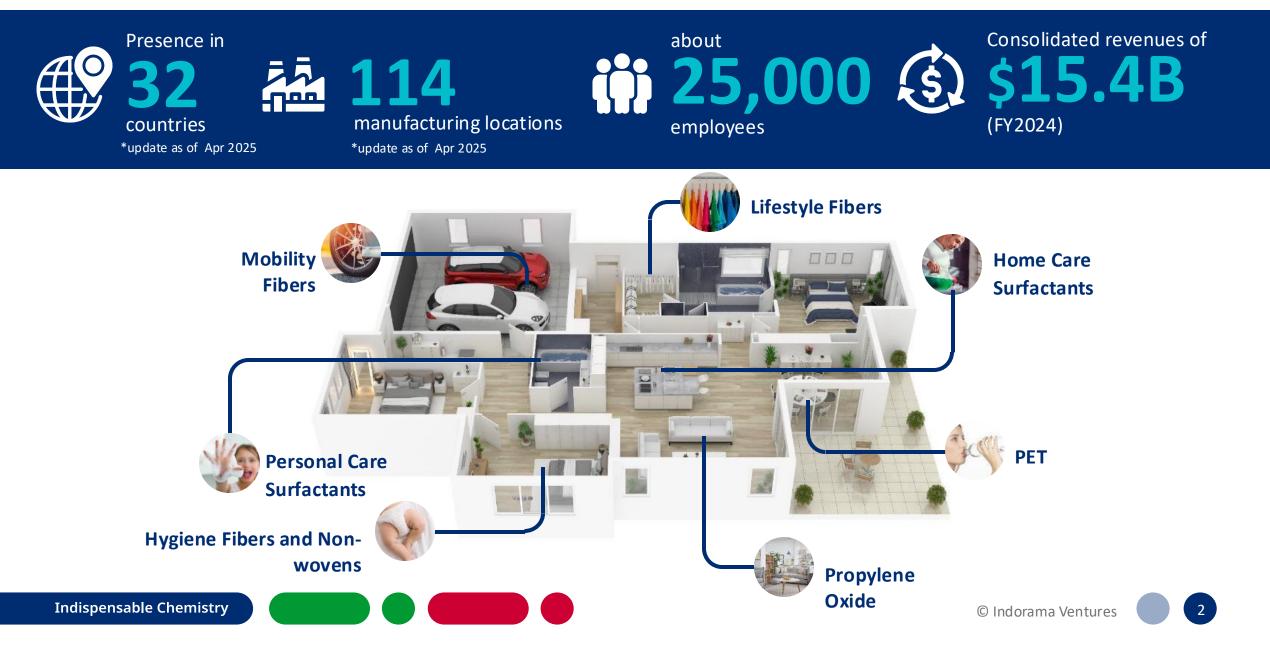
Driving Global Success | Advanced Analytics & Change Management Strategies

Amanda Thomas

Indorama Ventures

Company snapshot



Our global manufacturing footprint



mericas	
razil lexico	Uruguay USA
MEA	
ulgaria zech Republic enmark gypt ance ermany hana eland aly arael thuania	Luxembourg Netherlands Nigeria Poland Russia Slovakia Spain Tanzania Turkey UK

Philippines Thailand Vietnam

Indorama Ventures' purpose, vision, values, and brand promise



Driving Global Success | Advanced Analytics & Change Management Strategies

Part 1 | The Science & Spirit of Change: From Leadership to Getting Started



Amanda Thomas



How Neuroscience, Passion, and Leadership Unlock the Impossible!



5

Driving Global Success | Advanced Analytics & Change Management Strategies

Part 2 | Empowering Transformation: From Site & Regional Level (The SAR Region)



Juliana Lima Guerhard Fidalgo



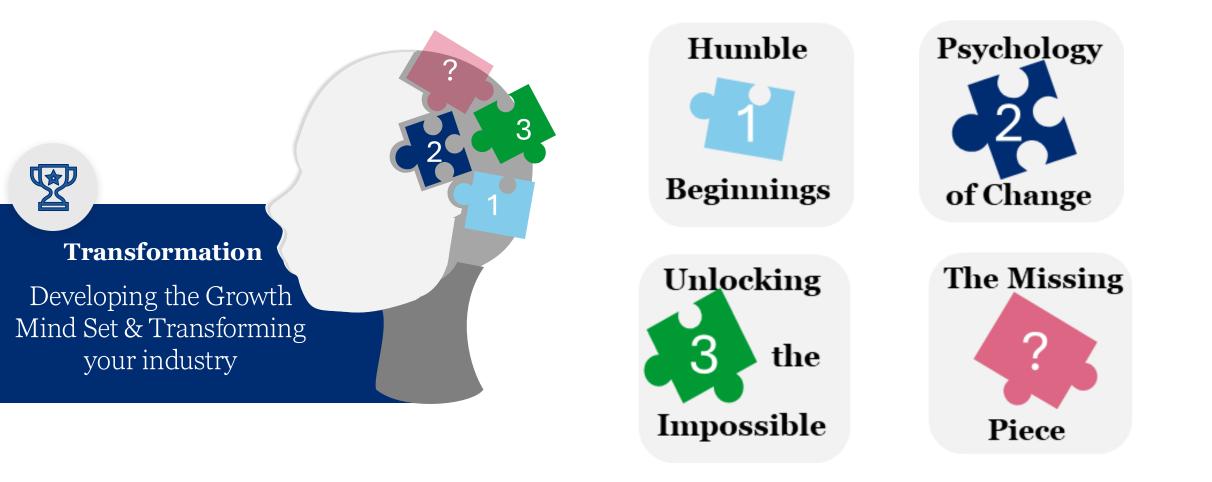


From Champion to Regional Lead: Transforming a Region by Prioritizing People Over Projects



Indorama Ventures' TRANSFORMATION Effort | Shaping the Future Together

How Passion, Neuroscience and Ultimately Leadership Unlock the Impossible

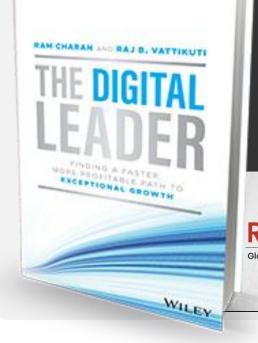


Indispensable Chemistry

Business Case for Change

Call for Action





Digitise or Die!

Every company who has not truly started digitization must do so now, even before the economy stabilizes, and even if it seems impossible.

- Dr. Ram Charan



Distraction Dis traction Distr action

Sometimes we must remove **some things**, to Remain with the **right thing**

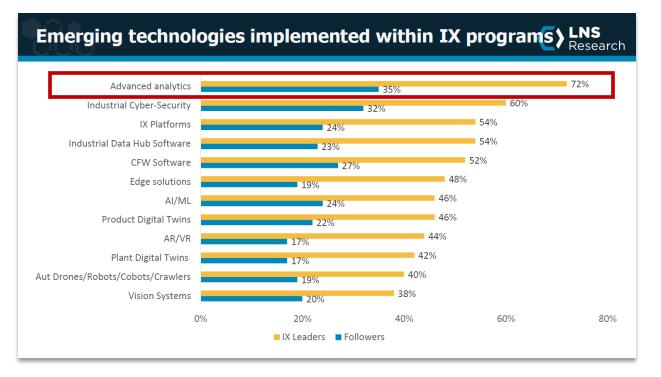
"The man who chases two rabbits, catches neither" - Confucius



Emerging Technologies & Why this?



Selecting the right Enablement tool



#1 Successful technology

- Empower our Teams
- Elevate Indorama Ventures to Operational Excellence
- Prep our teams to create Data Driven Decisions & Culture

Preserving a Future Ready Indorama Ventures PCL



The Indorama Ventures & SeeQ Story | From First Spark to Full Stream

Humble Beginnings....



2018

IVXP Site Pilot

Indorama Ventures Xylenes & PTA (IVXP), located in Decatur, Alabama. With production of PTA, PX, NDC and has experienced several expansions in the last 6 years. PIA Production in 2018 and PNDA 2021. Becoming the worlds largest producer 2,6 -Naphthalenedicarboxylic Acid (PNDA).

2022

Digital Recognized Scalability

Seeq's functionality & support for major product startups exceeding \$50M+ in value—positioned it as a key enabler within the organization. Its versatility and scalability bridged the gap between data science tools, engineering teams, and frontline operations.

2023

Leadership Update: Seeq Present to TreKUpDate

At Indorama Ventures' Transformation TREK 2.0 (Seattle, Sept. 2023), the Seeq CEO presented the vision that led to agreement on the initial pilot scale. To enable success, Indorama invested in a dedicated Anchor Hire to support the pilot's expansion from 1 to 5 sites—with a clear execution goal: drive 10x ROI by equipping and guiding teams to cross the transformation chasm.

2024 & beyond

Avoiding "Digital Fatigue"

New digital initiatives are under pressure to demonstrate clear value within 6–12 months—or risk being dismissed as another failed investment. With strong collaboration between Seeq Leads, Digital Manufacturing Leaders, and Onboarding Support, the initial pilot scaled from 5 sites to 24 sites within the second year—using the same structured rollout approach.

Our Strategic Commitment to Transformation

The Vision The Software & The Resource Focus



Lead the Operational Excellence Transformation with Advanced Analytics



Amanda Thomas Global Digital Applications & Advanced Analytics Leader

Driving success for Seeq Proof Of Value at IVXP in 2018-2022

Experience – 12 Years

Global Digital Applications & Advanced Analytics Leader (1 yr) IVXP Sr. Process Engineer (3 yrs) IVXP Process Engineer (3 yrs) Carbon Fiber Process Engineer (6 yrs) Chemical Engineering



Visionary leaders & Change Enablers (Mentors)







Industrial Analytics



 $\tilde{50}$

Process Engineer



Industrial analytics early adopter



Global Head – MTC



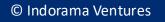
Global MFG Digital Head



Global MFG PMO



Indorama Ventures Group Head of IVEX



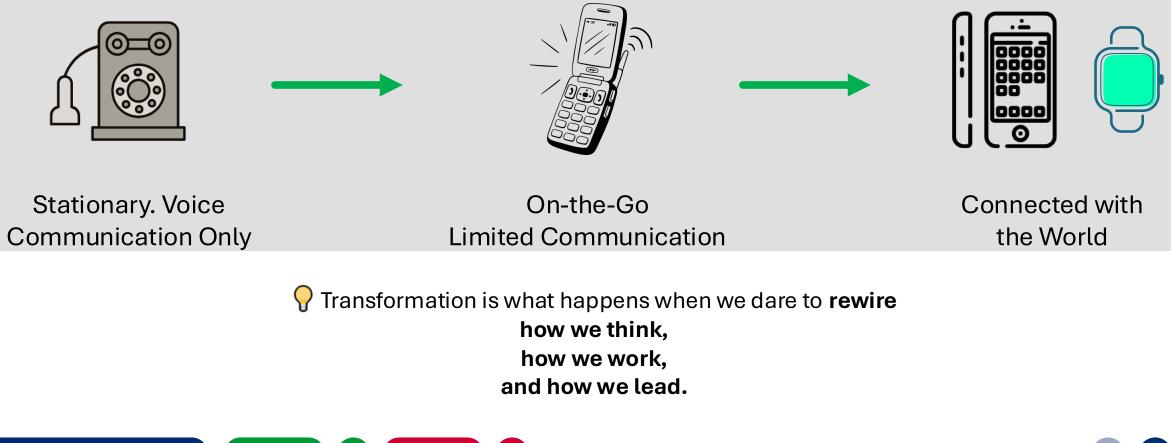


What is Transformation?

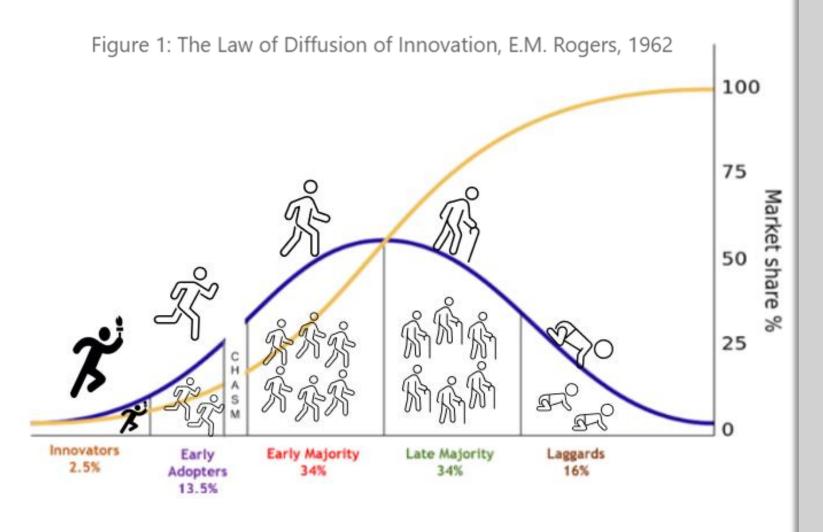
Indispensable Chemistry

It's not a tool. It's not a training. It's not a trend

Transformation is a bold reimagination of what's possible—



Law of Diffusion of Innovation & Psychology



Build "the Bridge" &

Speed

Chasm

Convince the masses

with Speed & Purpose

...But How?

Skills

*2

Success

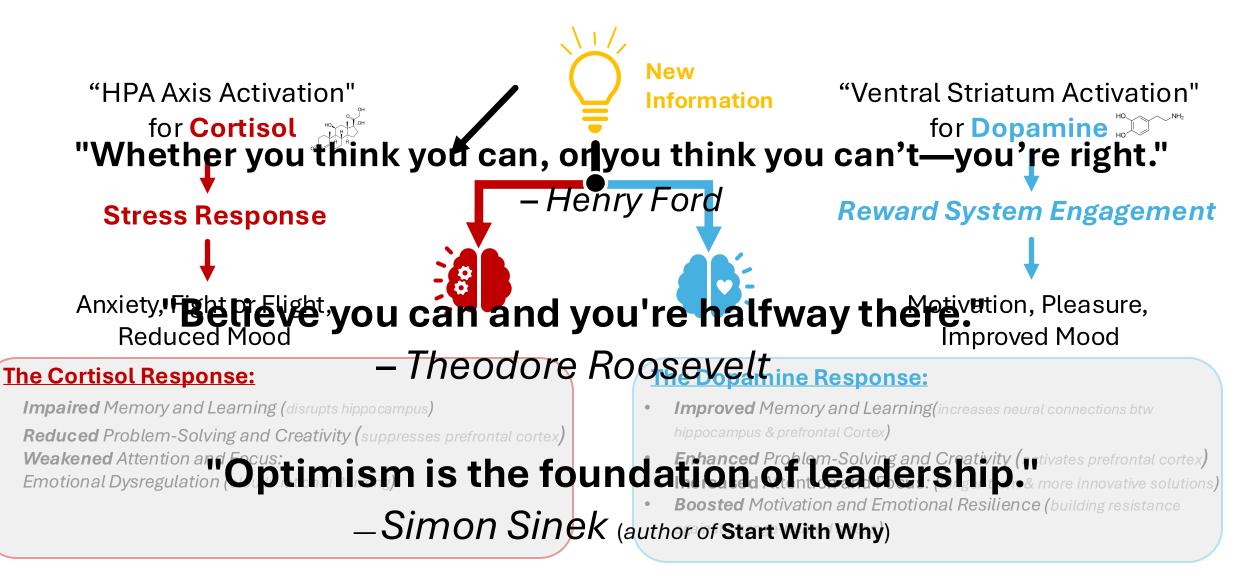
1. (11) The Law of the Diffusion of Transformative Change | LinkedIn

2. Digital Execution Gap: https://www.konsert.com/insight/closing-the-digital-execution-gap/

Indispensable Chemistry

Crossing the Chasm with Speed – Chemistry of No

The Psychology of Fear vs. the Chemistry of Passion



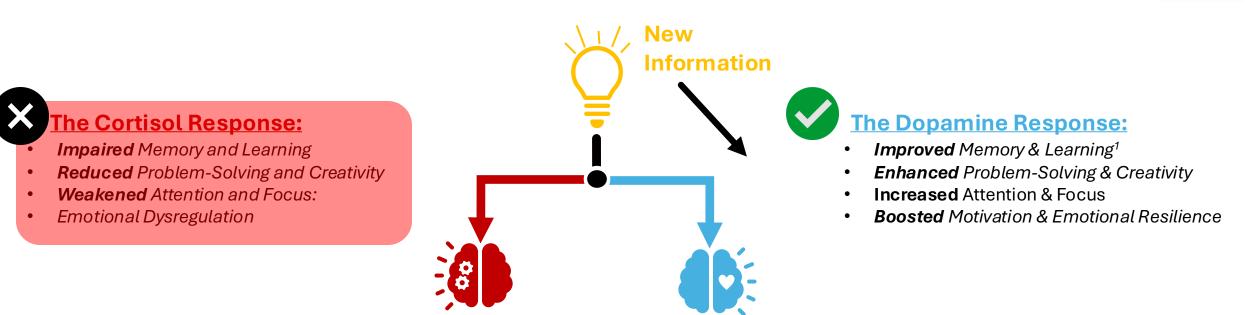


Psychology

Crossing the Chasm with Speed – Simplified

The Psychology of Fear vs. the Chemistry of Passion





Ignite Passion & Unlock the impossible!

(Dopamine Response)

Mitigations: Suppress Cortisol Response





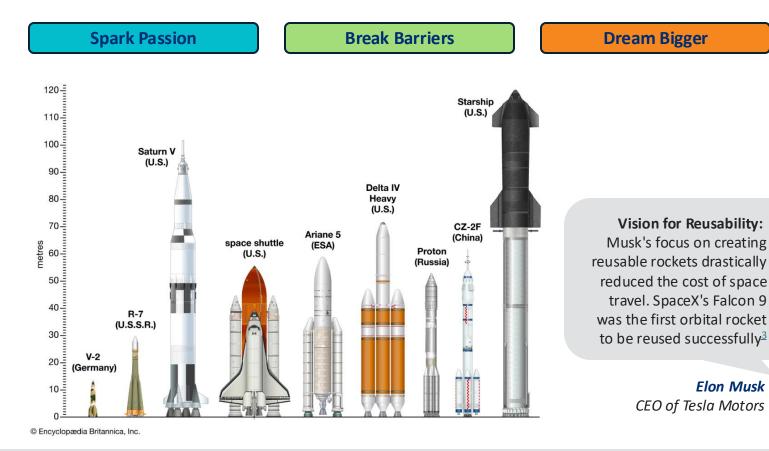
The Vision

- The Resource Focus
- **See**
- The Psychology of Change: Critical Mass buy in!



Unlock the Impossible

From Improbable to Achievable



Reusability as a Game-Changer: "Falcon 9 is now ~75% reusable and requires several days between flights. Starship is designed to be 100% reusable and ultimately be ready to re fly within an hour of landing. <u>2</u>





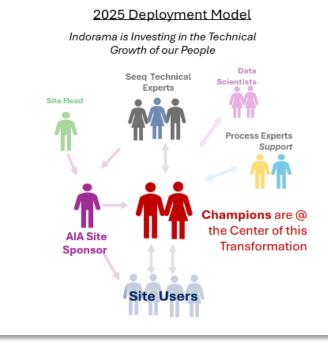
Fueling that Passion

Speaking to society that needs "Instant Gratification"



Champion Program

Creating Super Users/Initial Wins w/ Champion Program. Guided by both Vendor + Indorama Ventures experts. To Establish strong Site holds.



Global Team's Self-Service Portal

Case Development

Work steps:

<u>A. Monitor CQC catalysts compaction by reactor pressure delta</u> Monitor the compaction of the R-8702 hydrogenation catalyst based on a comparison between the reactor pressure Delta, measured in real time, and the pressure Delta estimated by the Ergun equation.



Indorama SOLVED Use Cases w/ Step by Step Guides (Replicating success) Office hours Quick tips Data Scientist Community Adoption KPI's LIVE GEN AI inside Seeq!

Super Charge Support

Safe Learning Empowerment for Scaling Success

Showcase Success & Onboarding Competition

Celebrating wins and success globally



Recognizing our PPL & Building Trust

© Indorama Ventures

Indispensable Chemistry

Unlocking our Elon's | Providing a Space to Innovate



Indovinya Community:

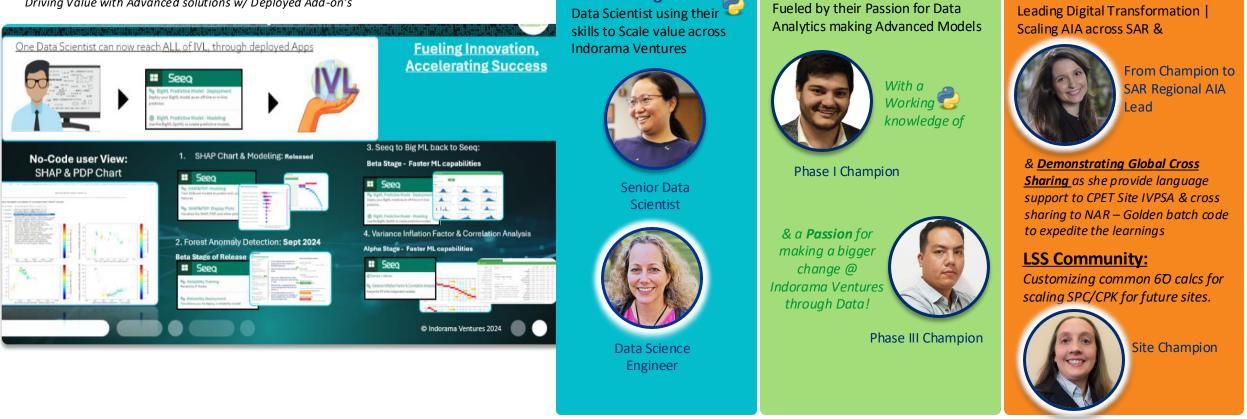
Aspiring Data Scientist Members

Solve Once & Share with ALL Indorama Ventures - Delivering V2V@Scale through their different talents & passions

AMER – Digital

Data Scientist Community:

Driving Value with Advanced solutions w/ Deployed Add-on's



Talent Retention: People should pursue what they're passionate about. That will make them happier than pretty much anything else. -Elon Musk





The Program Results

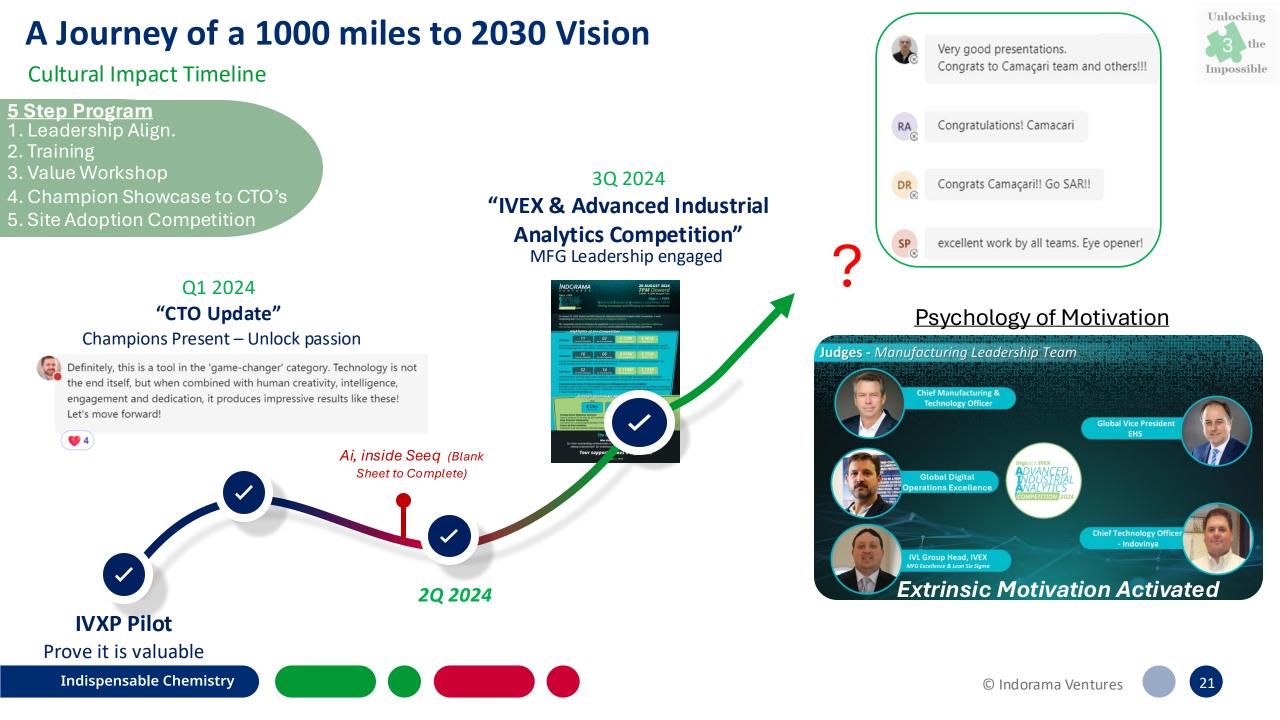
Empowering & Connecting our Great Assets >> **Our People**

Connecting our Teams around the world & building internal Capability!



And this is JUST the beginning!





Elevating Indorama Ventures to New Heights:

Empowering Our Talent w/ Digital Solutions & Strategic Deployment



AIA x IVEX Competition August 2024 Highlights

Time Savings

Efficient Tool

Highly scalable & easily Adaptable

> Reducing rework



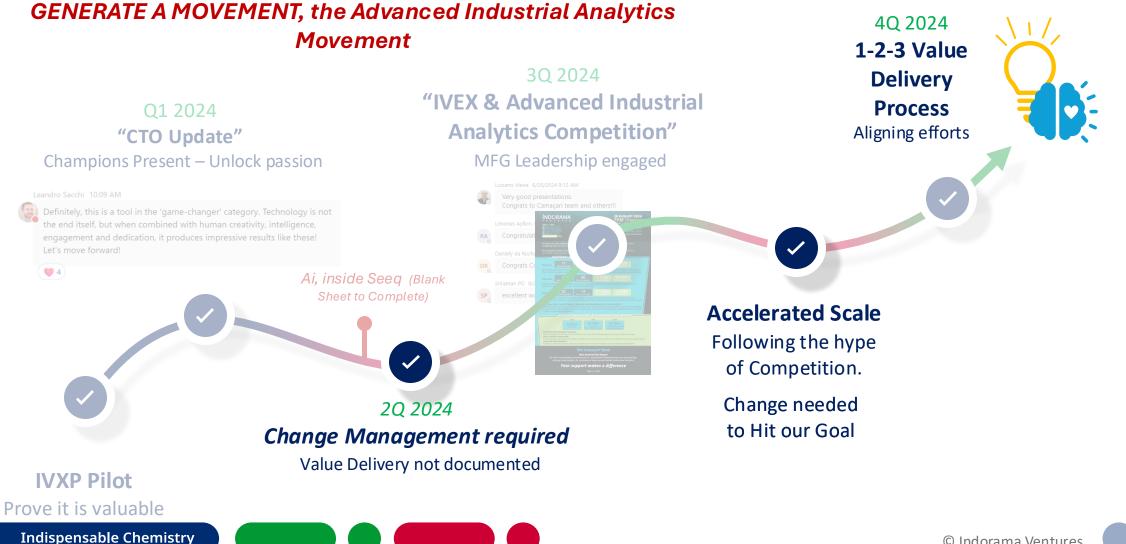
Creating Organizational Capacity & Fueling Innovation from <u>Our People!</u>





A Journey of a 1000 miles to 2030 Vision

Passion is not enough; Leadership & Processes are required





The Missing

Piece

...but WHY?



NONE I DRIMON I WHI PEOPLE RESIST CRIMINE AND WRITTENDERS CAR DO TO ME

03 AUGUST 2023 - 5 42 PM

Why people resist change and what leaders can do to mitigate this

There are many reasons why people resist change. Leaders must clearly communicate the reasons behind it for it to be accepted and successful.



https://www.theceomagazine. com/opinion/why-peopleresist-change/ Neuroscience Strategies for Successful Change MaiNEURO SCIENCE STRATEGIES FOR SUCCESSFUL CHANGE MANAGEMENT

vity and Peak Performance Strategies - Leadership and Team Management - May 24 - Written By Sana Res

NEUROSCIENCE AND L&D: OVERCOMING RESISTANCE TO CHANGE

Neuroscience and L&D: Overcoming Resistance to Change

The struggle with change is a universal headache in the business world. But there's a way to turn this resistance into a high

Navigating Change: Neuroscience Strategies for Effective Leadership NAVIGATING CHANGE: NEUROSCIENCE STRATEGIES FOR EFFECTIVE LEADERSHIP

Leadership and Team Management - Team Performance Jun 27 - Written By Sana Ros

Why does change feel like pushing a boulder uphill? Because your brain's not built for it—it's built for survival, not reinvention. Leaders driving their teams toward the "next big thing" are up against the ultimate opponent: human nature.

Our brains crave routine and predictability.Anything outside the norm? It triggers resistance. But here's the upside: neuroscience is handing us the playbook to flip the script. By understanding how your brain handles change and uncertainty, you can stop fighting it and start leveraging it.

This article breaks down cutting-edge research into simple, actionable strategies so you can lead through change like it's second nature.

UNDERSTANDING THE NEUROSCIENCE OF CHANGE

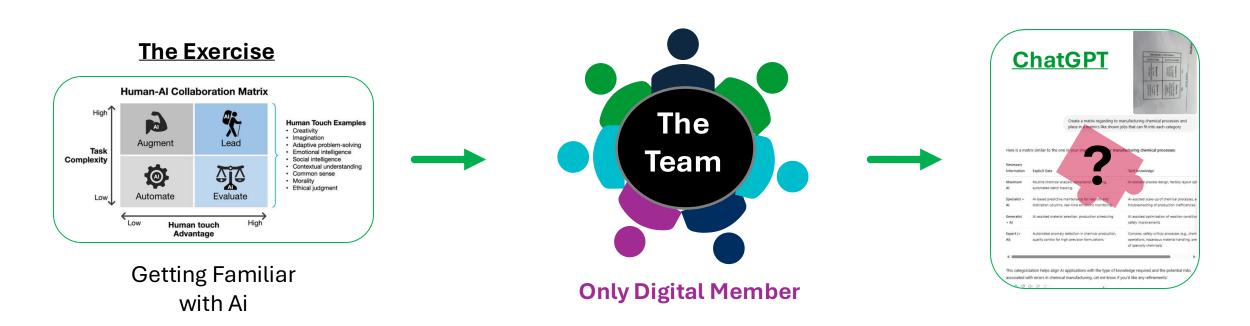
WHY CHANGE IS HARD FOR THE BRAIN

24

... And then, The Missing Piece!

The Missing Piece

Ai Exercise from Professor Bharat Anand, Vice Provost for Advances in Learning at Harvard University





Indorama Ventures Champion Program Original Goal: By fostering connections across teams, tools, and regions, the Champion Program created a multiplier effect far beyond its original scope, focusing on People.



25

Neuroscience's Role in the Transformation

Transformation is NOT a Passive Process

Why Our Brains Resist Change



The brain **CONSERVES ENERgy** by avoiding deep thought, engaging auto-pilot in the basal ganglia to **bypass effortful** prefrontal cortex activity. The Zeigarnik Effect—where <u>incomplete tasks</u> create mental tension—drives this, making it easier to "not think" and resist innovative approaches.

System 1 – Auto Pilot (Lazy Brain)

- Fast, automatic, emotional, habitual
- Used for routine tasks and quick decisions
- Saves energy, but can be biased or shallow

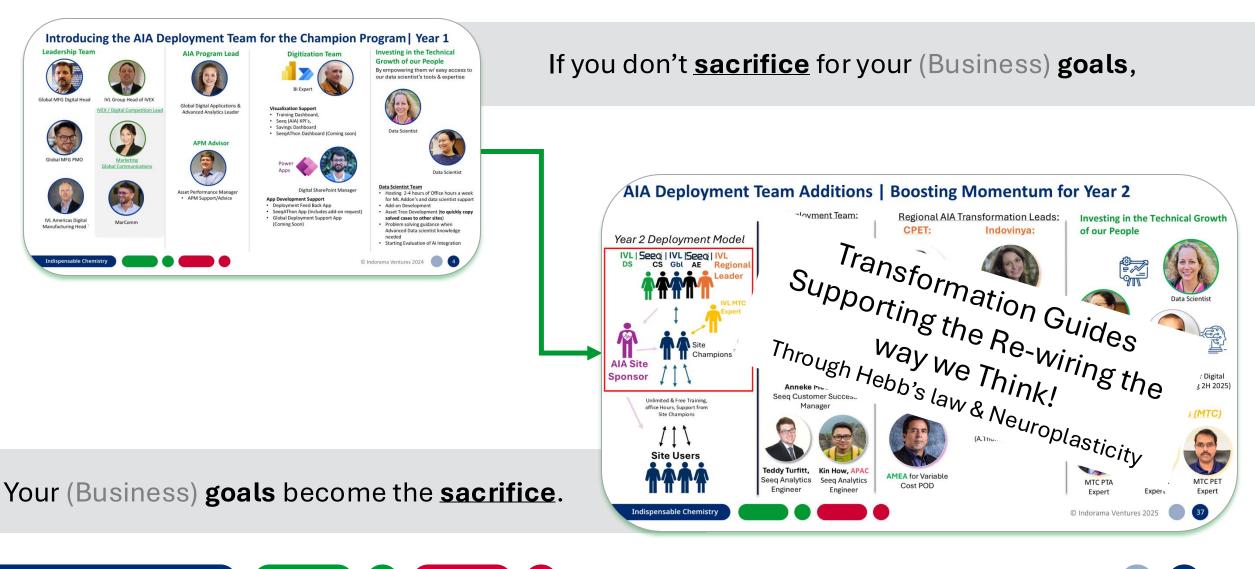


<u>System 2 – Forced Control</u> (Deep Thinking)

- Slow, effortful, logical, deliberate
- Used for complex, new, or high-stakes problems
- Requires focus and energy



Commitment to Transformation | Driving the AIA Movement





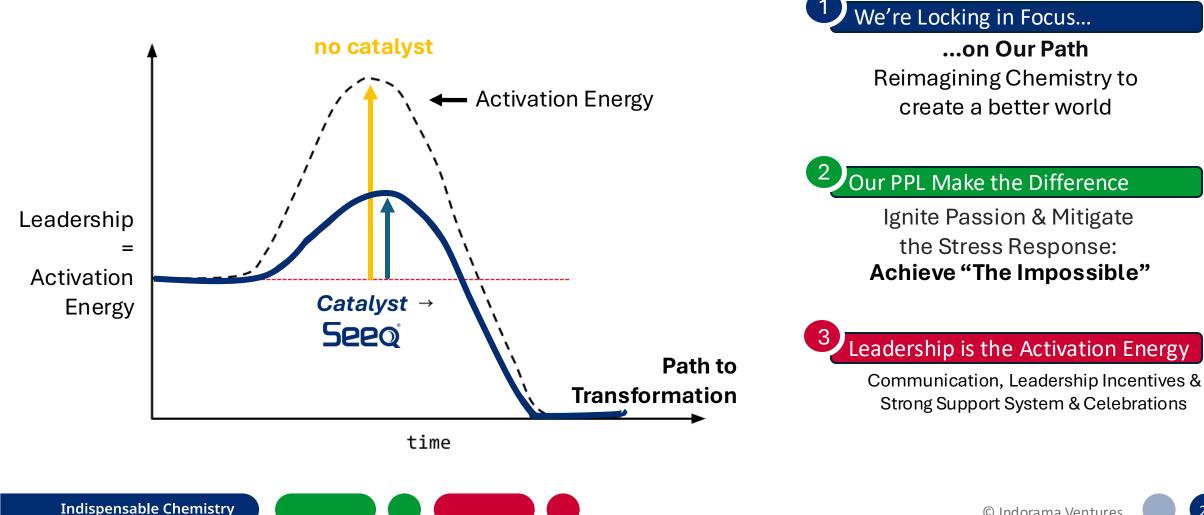


The Missing

Piece

Summary

Transformation isn't something that happens TO companies—it happens within people. In the hearts and minds of our teams.



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Empower your Teams & Join the AIA Movement!

"... Seeq is an empowerment engine—the catalyst for change—but it's our leaders who serve as the activation energy to start that reaction of transformation. "

- A. Thomas

To get something you never had, you have to do something you never did.

– D. Washington

Are you ready to go #allin?

" ... Your **Distraction**, is your **Decision** ...

You look for, what you Long for! "

If you Stay in your **Comfort Zone.** You will **Fail** in your comfort zone.

– Pastor Andy John

Success is not a comfortable procedure. Get Comfortable with being **uncomfortable** if you're going to be Successful.

- Anonymous

