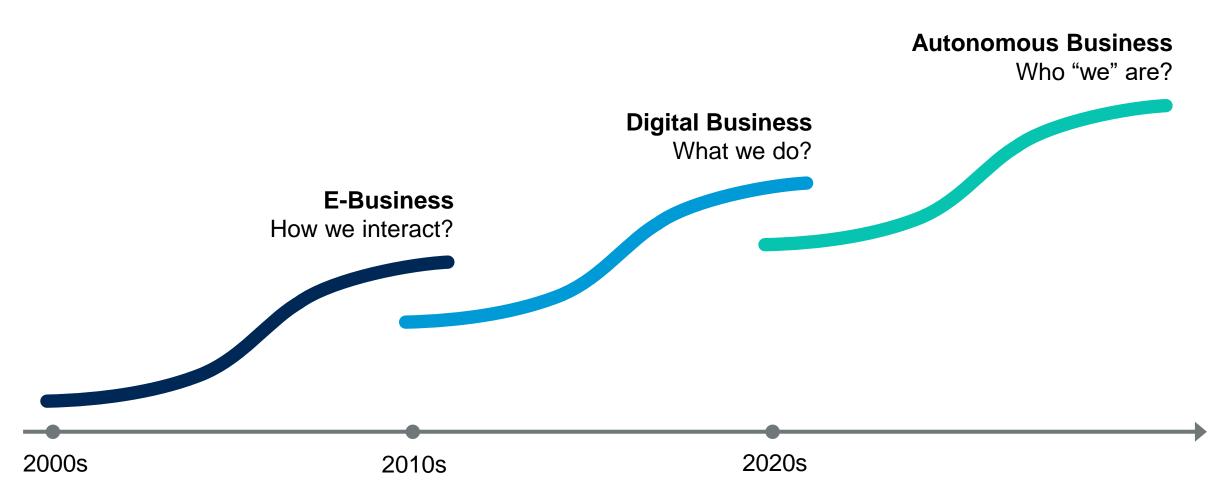
Autonomous Business: CIOs Must Forge the Next Macro-strategic Shift

Brian Prentice

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It's Time to Jump to the Next "S" Curve of Tech-Enabled Business Value Innovation







We = Human + Al



CIOs should introduce the new business thinking that Al enables (not just the tech).

If you don't ... expect hype-driven flailing, stumbling and waste.





Al is the tool. What's the business change?



Autonomous Business Is

- A style of business ...
- Partly governed and operated by self-learning software agents ...
- Serving autocomposing, and autoadapting products and services ...
- To machine customer prevalent markets ...
- Operating in a programmable economy ...

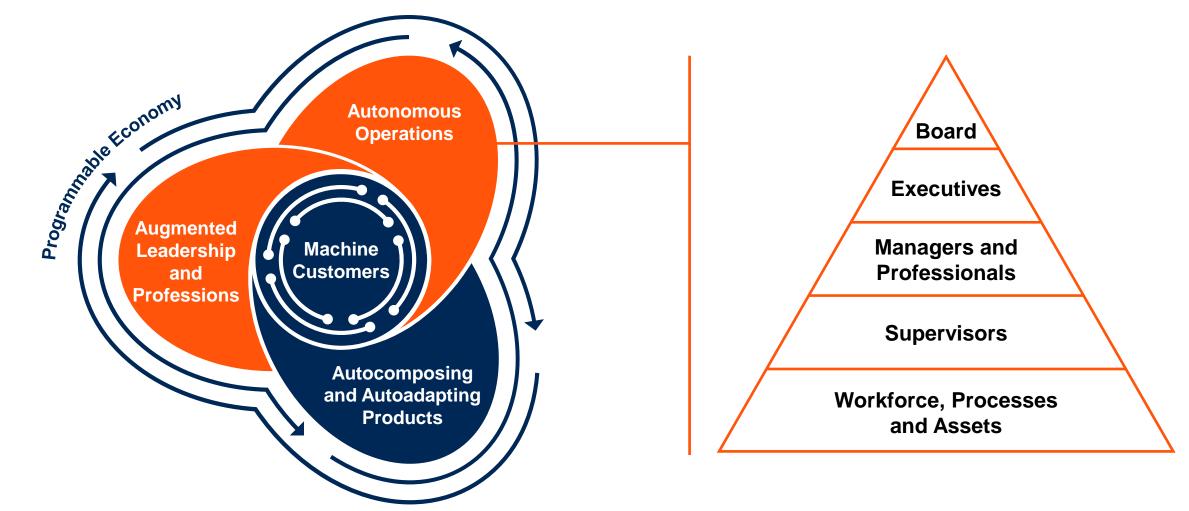


"Autonomous" in What Sense?

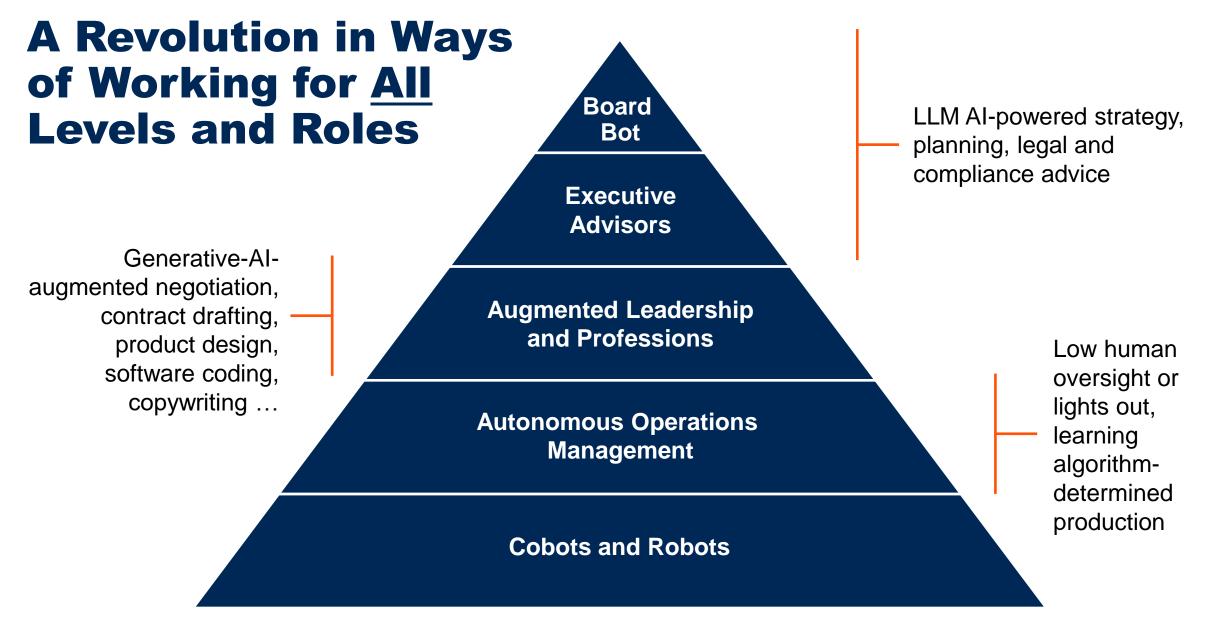
- Functioning separately or independently
- Not requiring external direction; independent
- The capacity to make informed, local decisions
- Self-governing
- Intelligent software and software-enabled machines, can act more autonomously
- People who are augmented by intelligent software, can act more autonomously



Al-Powered Augmentation Will Impact Every Layer of an Organization Over the Coming Decade









Autonomous Operations Emerging in Many Places



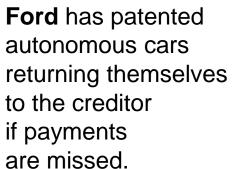














BOXY has deployed over 50 franchiseoperated autonomous minimarts without staff or check-outs.



Cargo airline Ameriflight has tentatively committed to buy 20 pilotless cargo planes from Natilus.



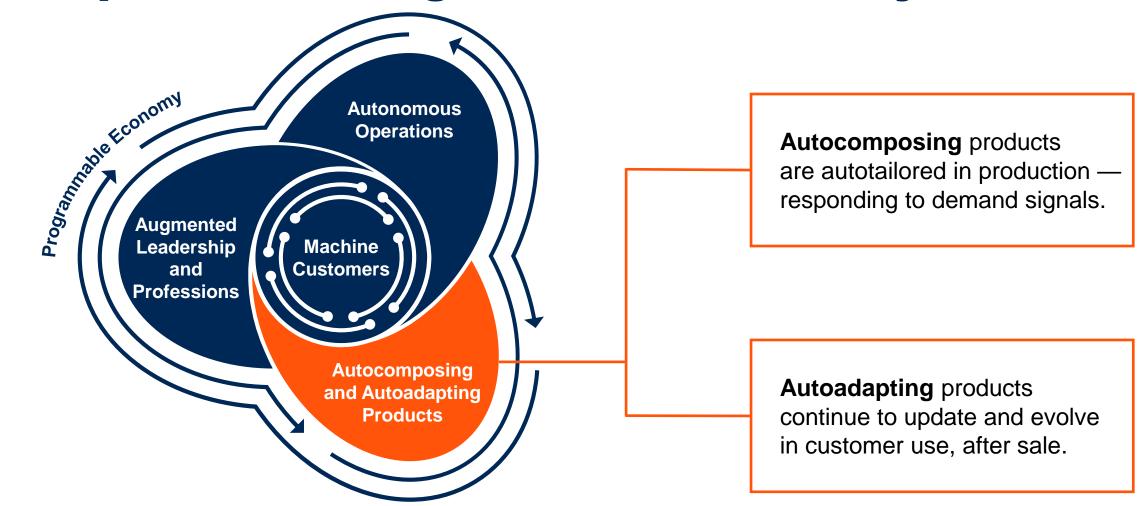
Maersk has deployed shelf scanning drones for inventory management in its U.S. warehouses.



John Deere has demonstrated its autonomous tractor and made multiple autonomous ag. Acquisitions.



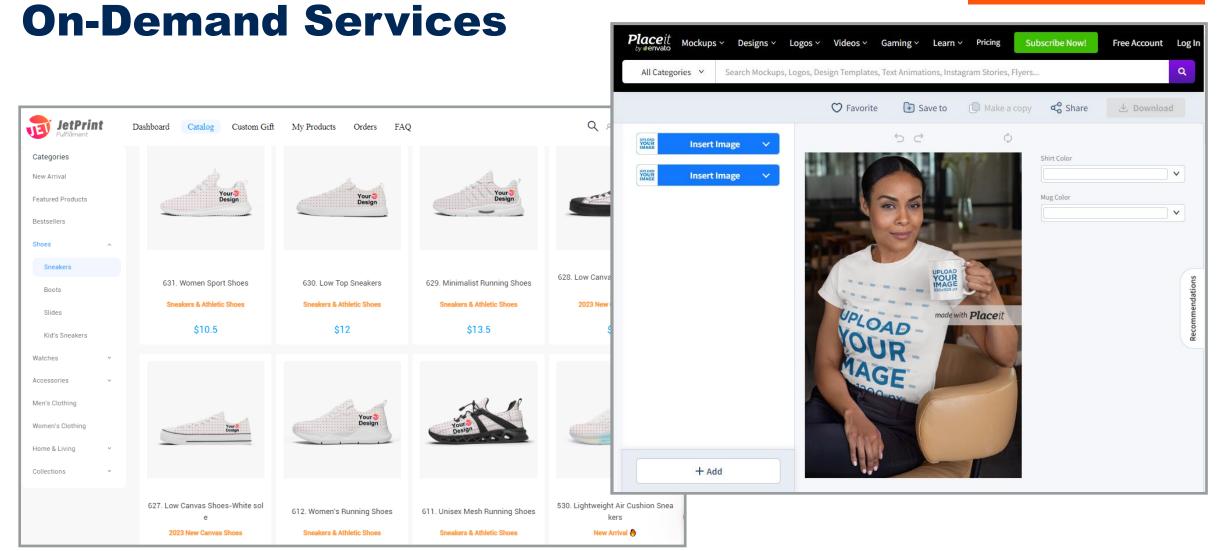
Al-Powered Products Will Self-Refine Their Value Proposition During Production and Beyond





Mature Dropship Mock-Up and Print

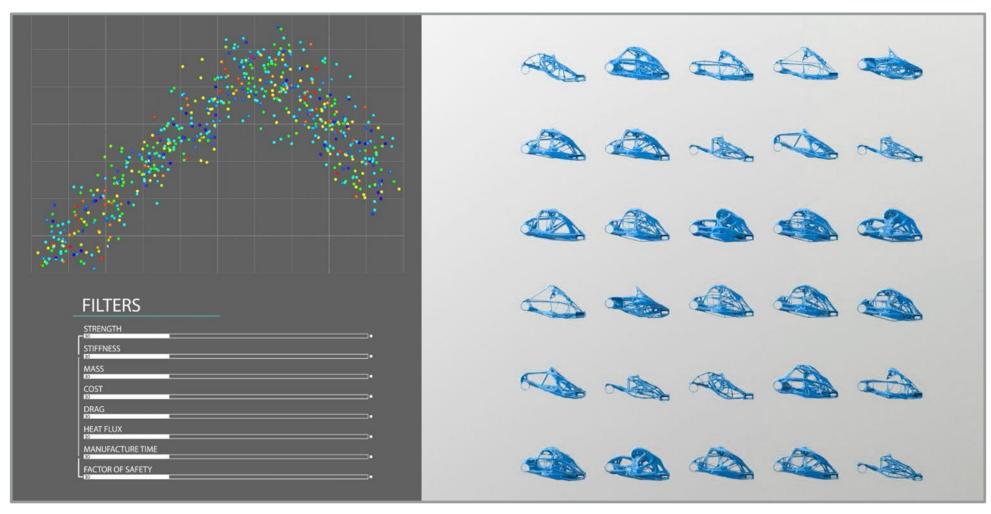
Autocomposing





Autocomposing

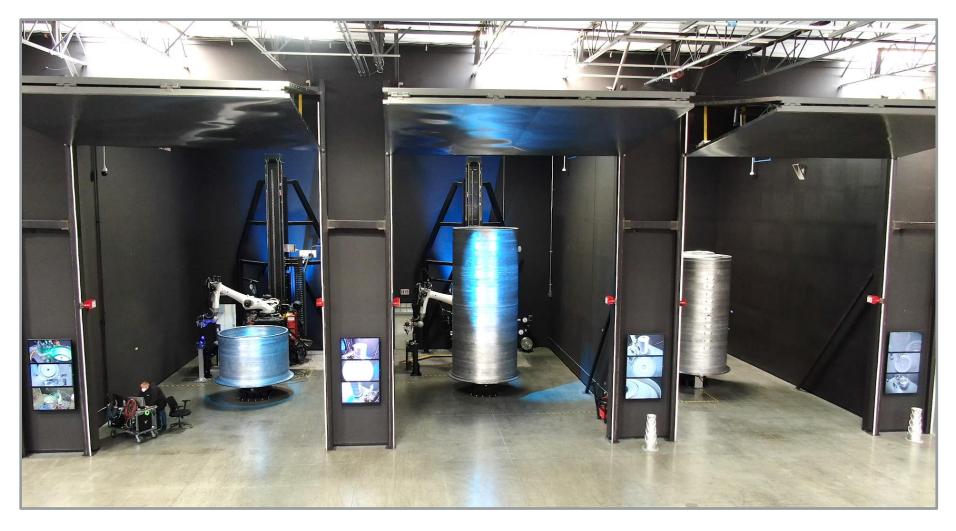
Generative Design to Create and Compose



Source: Autodesk

Autocomposing

Additive Manufacturing to Make Variations



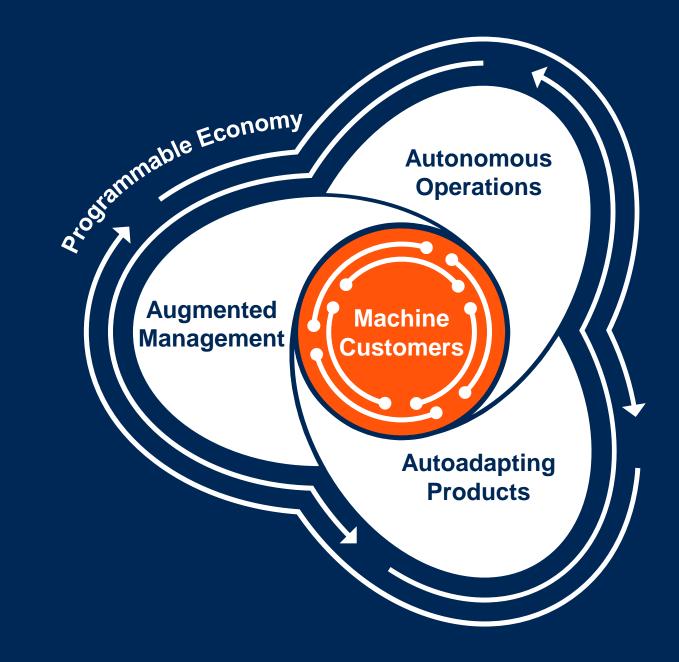
Source: Relativity Space

"When Vision finds itself in an environment it doesn't easily recognize, its confidence level can decrease ... In such cases, Vision takes pictures so that it can learn from its experience and improve its own performance. This process is essential to all machine learning systems."

Landroid Vision and Data Privacy
 Neural Networks and Personal Information

Autoadapting Gartner

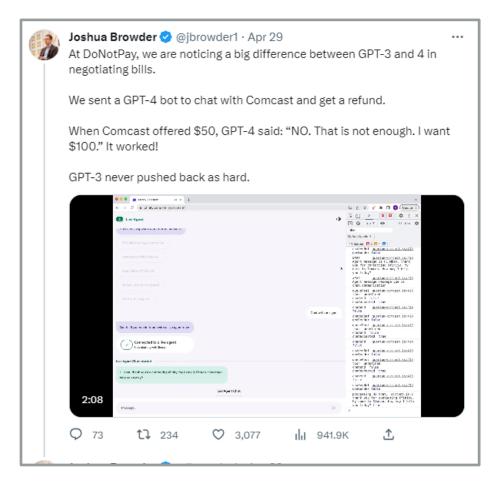
Source: Worx



Being a customer is another kind of work.



GPT has already renegotiated a utility bill — twice! Voice synthesis is now almost perfect.



How Do You Know It's Not a

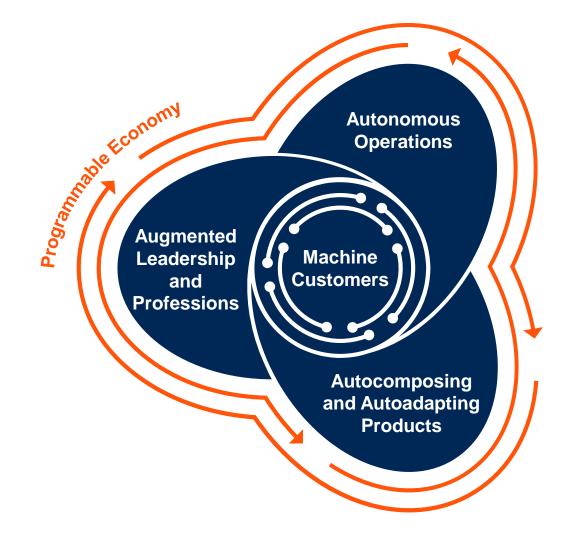


Calling?





To Really Take Off Autonomous Businesses Will Necessitate a Programmable Economy

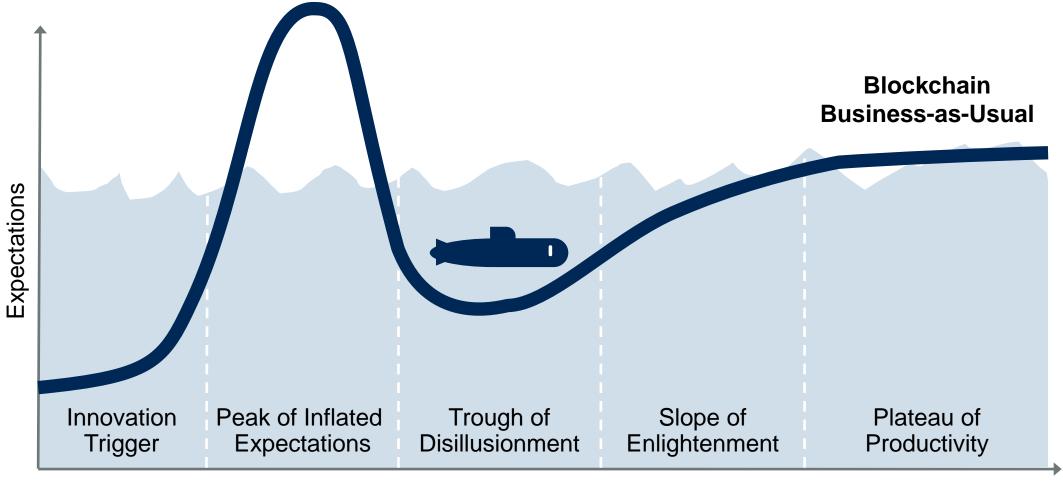




- Rapid open, collaborative evolution of new trading mechanisms
- Decentralized control
- Smart contracts
- (\$) Innovative tokens
- Self-sovereign ID



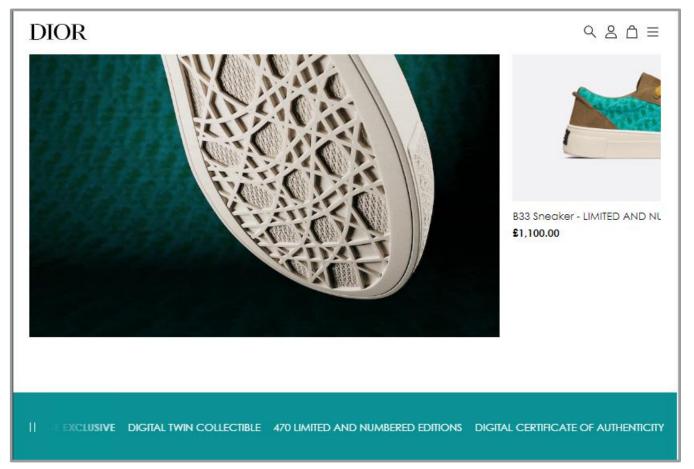
Expect Steady Stealth Progress Toward 'B-BAU'



Time



You Don't Have to Say "NFC," "NFT" or "Blockchain"



Dior B33 Digital Twin Collectible,
Sneaker Product Innovation — Introduced Mid 2023

"Each pair also includes an encrypted key that leads to a personal, secure platform offering dedicated services. Within this space, everyone can access the shoes' certificate of authenticity, additional information on the different stages of the manufacturing process and even announcements for future sneaker launches."



In the C-Suite, CIOs Are Well-Positioned to Pioneer So, Lean in and Lead Now

- Rational balancing of risks and returns
- Arbitration between competing ideas
- Understanding of data corpus assets



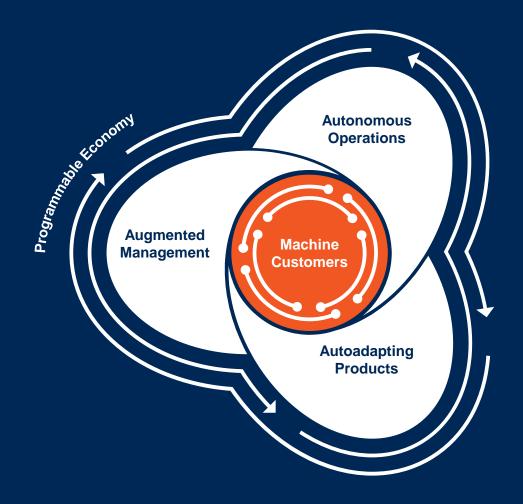
- Ability to sort tech sector hype from reality
- Political experience of digital transformation
- Option to use IT itself as a safe sandbox

Gartner



(A) Action 1: Shift your exec team to think more about the business of autonomy, less about the tech of Al.

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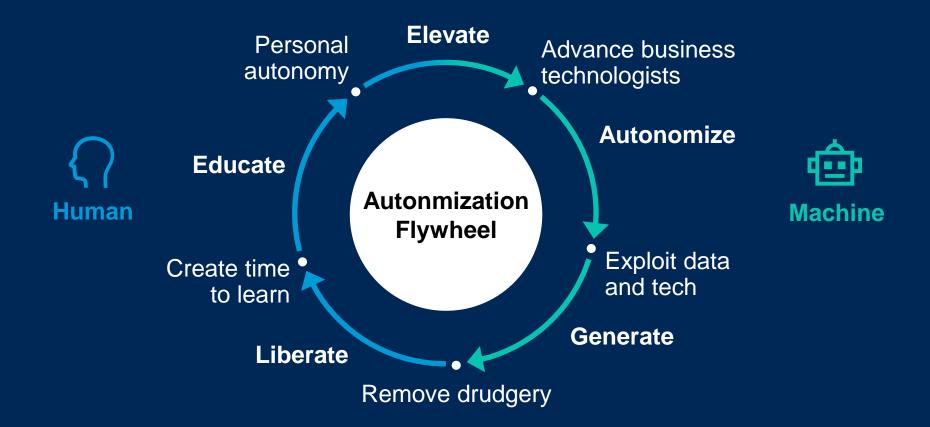




(A) Action 2: Induce deep policy belief in autonomization.



Induce deep policy belief in autonomization.





Action 3: Be customer zero for autonomous.



Be customer zero for autonomous.

- Lead by example
- **Measure productivity gains**
- **Capture and transfer** management learning

- AlOps
- GenAl code assistants
- Al-based contract management
- Documentation summarization
- Legacy translation and replacement
- GenAl for UX content
- Al-augmented office software
- Process mining and automation



Ready or not, the Al-powered autonomous business world is coming. It's your opportunity to lead or to lose.



Recommended Gartner Research

- Building a Digital Future: Autonomic Business Operations Marc Kerremans and David Cearley
- Quick Answer: When Will Organizations Adopt Autonomic Technology and Business?
 Nick Jones and Arun Chandrasekaran
- What Comes After Digital Business? Exploring the Era of Autonomous Business
 Frank Buytendijk, Jeff Cribbs, Don Scheibenreif and Others
- Autonomous Things: Technology Use Cases for R&D Ella Yan
- **When Machines Become Customers** (2023)



