

TT08

If you Build it, Will They Come?

Build Vs. Buy Strategy for Statistical Computing Environment (SCE)

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Meet the Speaker



Venu Mallarapu

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Organization: eClinical Solutions

Venu Mallarapu is a digital innovation leader with over two decades of experience in business and IT advisory, strategic consulting, relationship, and delivery management. As eClinical Solutions' Vice President of Global Strategy and Operations, he is responsible for strategic development to meet global demand for the company's platform and service offerings. He is driving adoption, market expansion and innovation of the illuminate® Clinical Data Cloud and eClinical Clinical Data Services. Venu is a subject matter expert in Clinical, Regulatory, Quality and Safety & Pharmacovigilance functions, and has delivered Strategy & Transformation Advisory Consulting to top global Life Sciences clients. He has spoken at various Life Sciences and Tech industry events and is a recognized thought leader in R&D.

Agenda

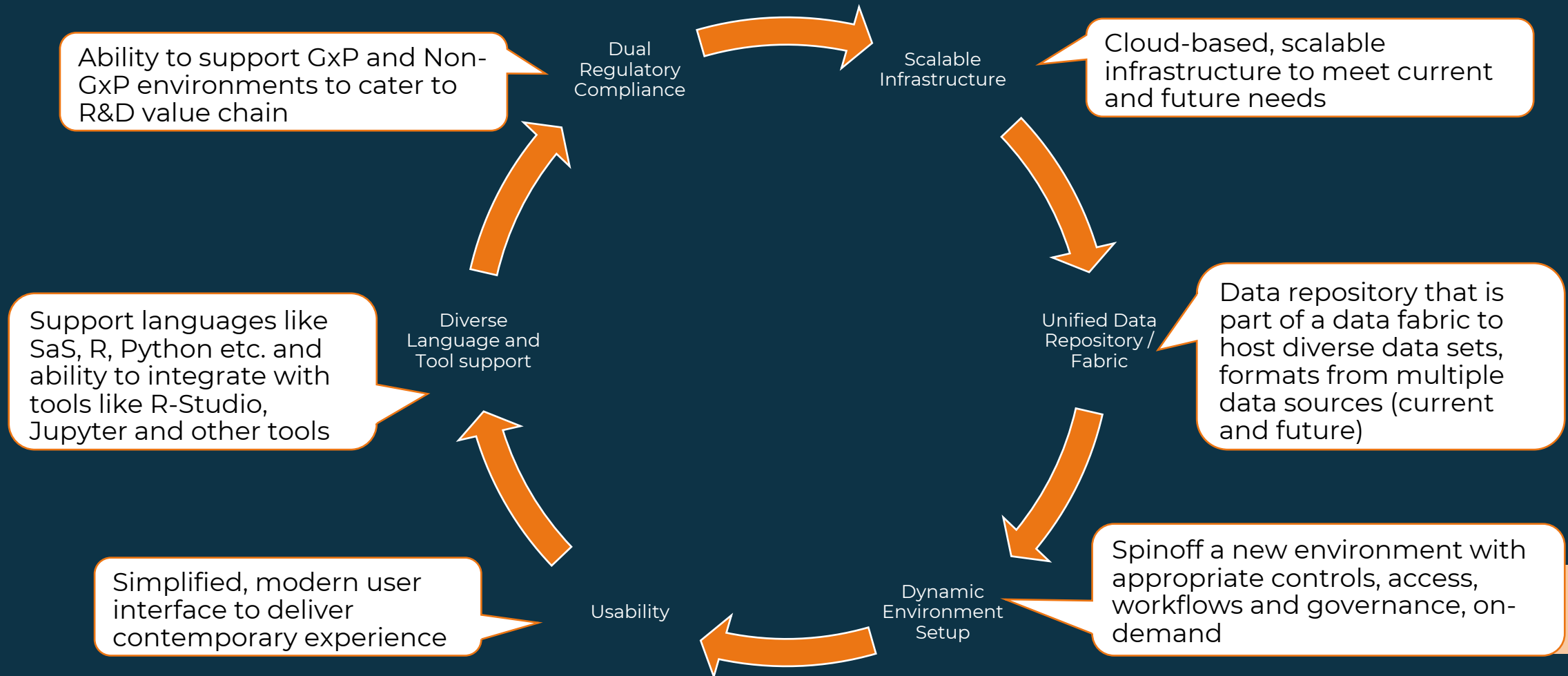
- ❑ Need for SCE?
- ❑ Essential elements of modern SCEs
- ❑ Foundational technology components
- ❑ Critical Success Factors
- ❑ Evolution of SCEs
- ❑ Build and Buy approaches
- ❑ Pros and Cons of Build Vs. Buy
- ❑ Conclusion
- ❑ Q&A



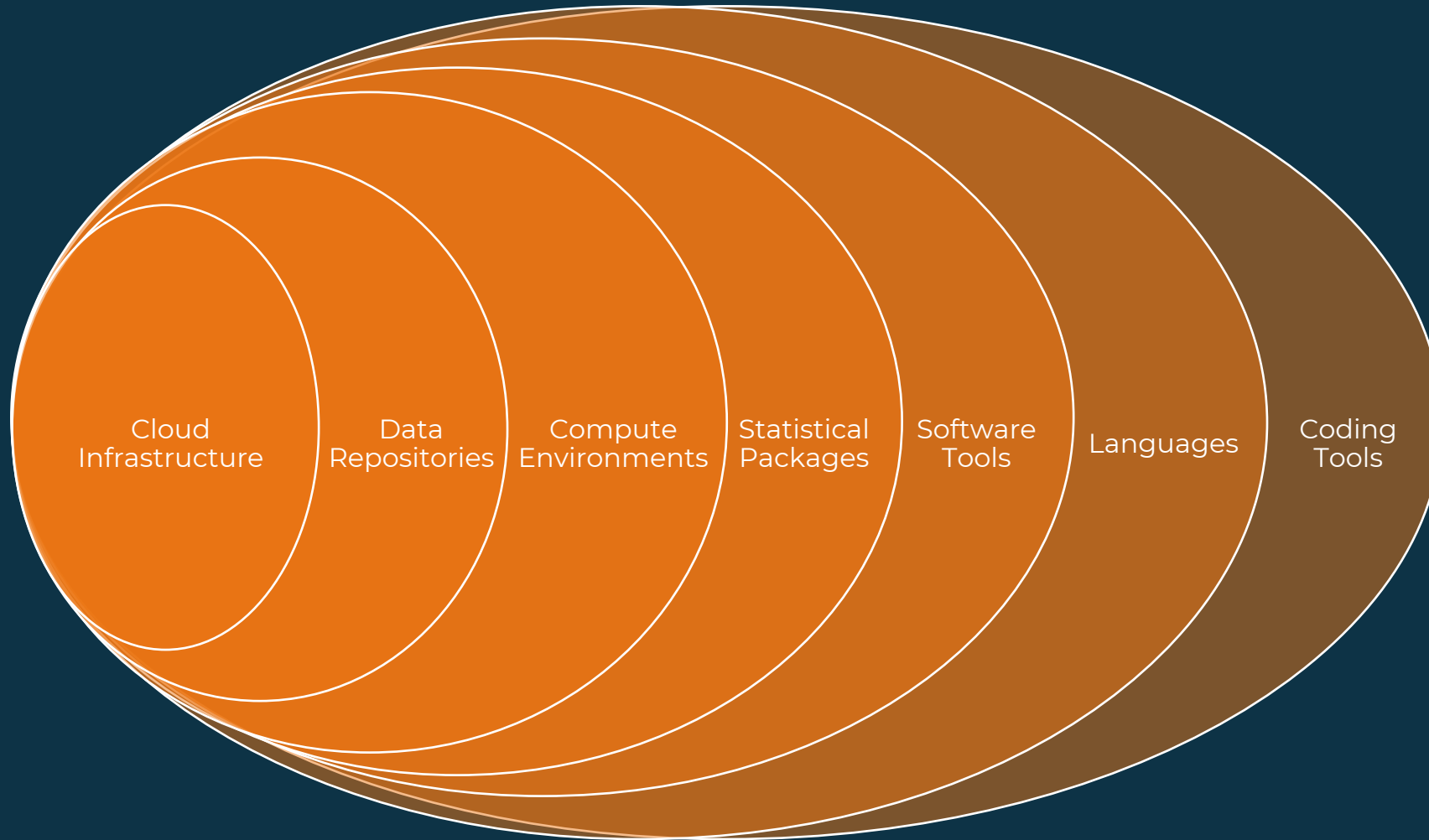
Novel therapies and digital clinical research brings in new challenges...

- ❑ Fragmented, Diverse & duplicate compute environments
- ❑ Increase in secondary use of data
- ❑ Changing work culture demands simplification, standardization, and collaboration
- ❑ Innovative new tools and Increased use of open-source languages
- ❑ Manual processes for versioning, documentation, and workflows are suboptimal and inefficient
- ❑ High-performance computing needs continue to grow
- ❑ Cumbersome work management, status tracking, and governance

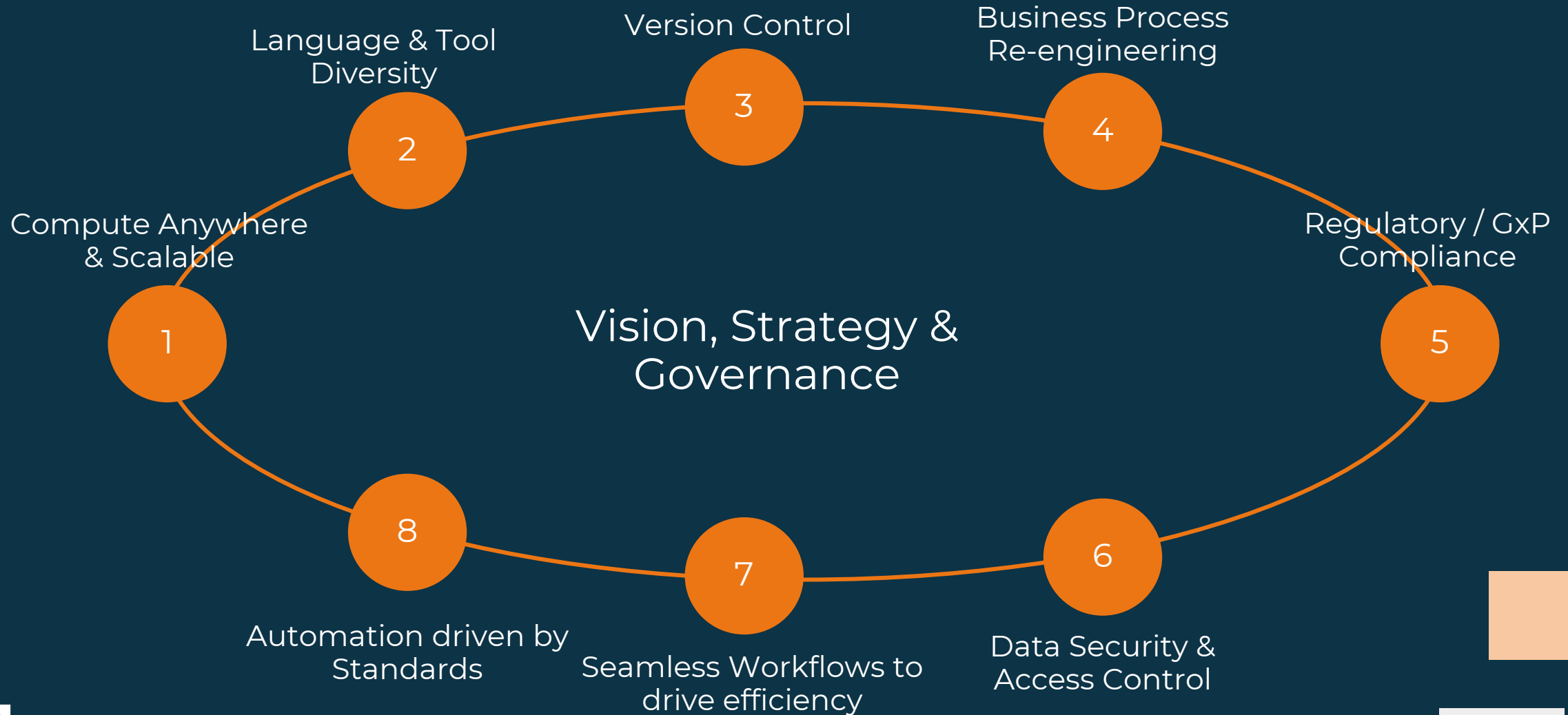
... essential elements of all modern SCEs include...



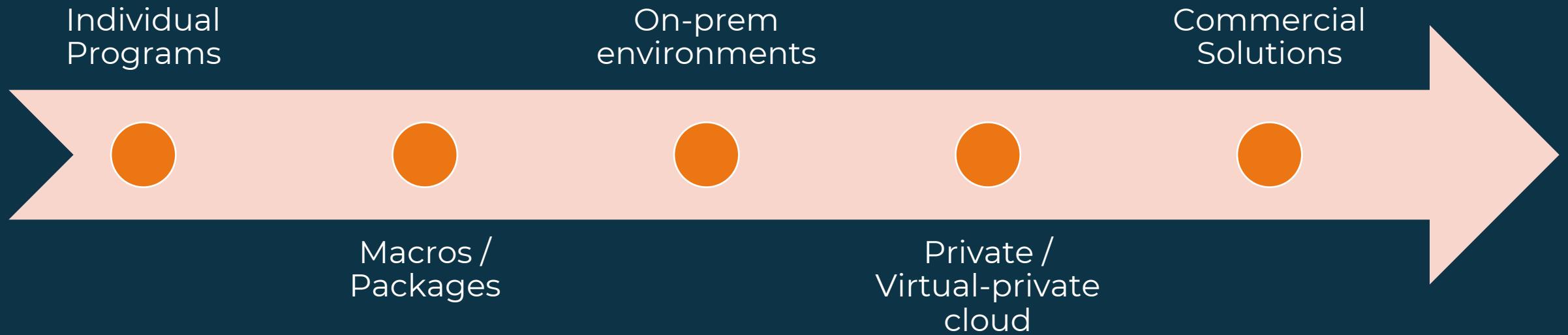
... and will have these foundational technology components...



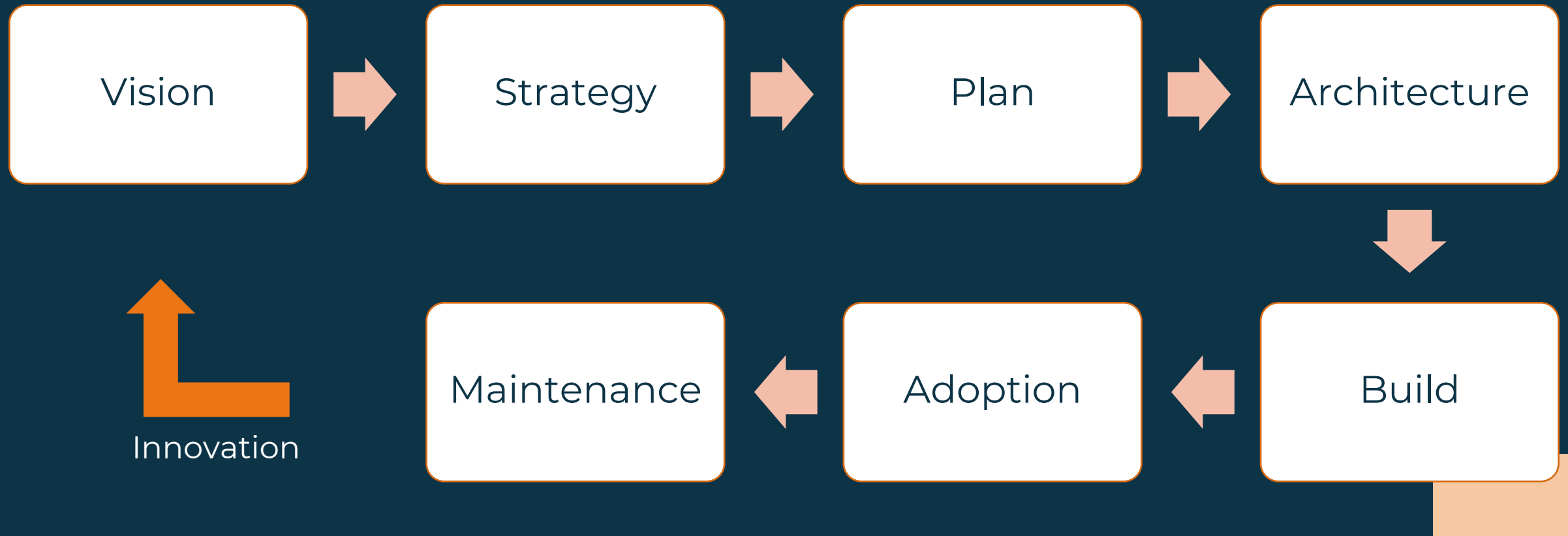
...it is critical that the following factors are considered for the success of a modern SCE



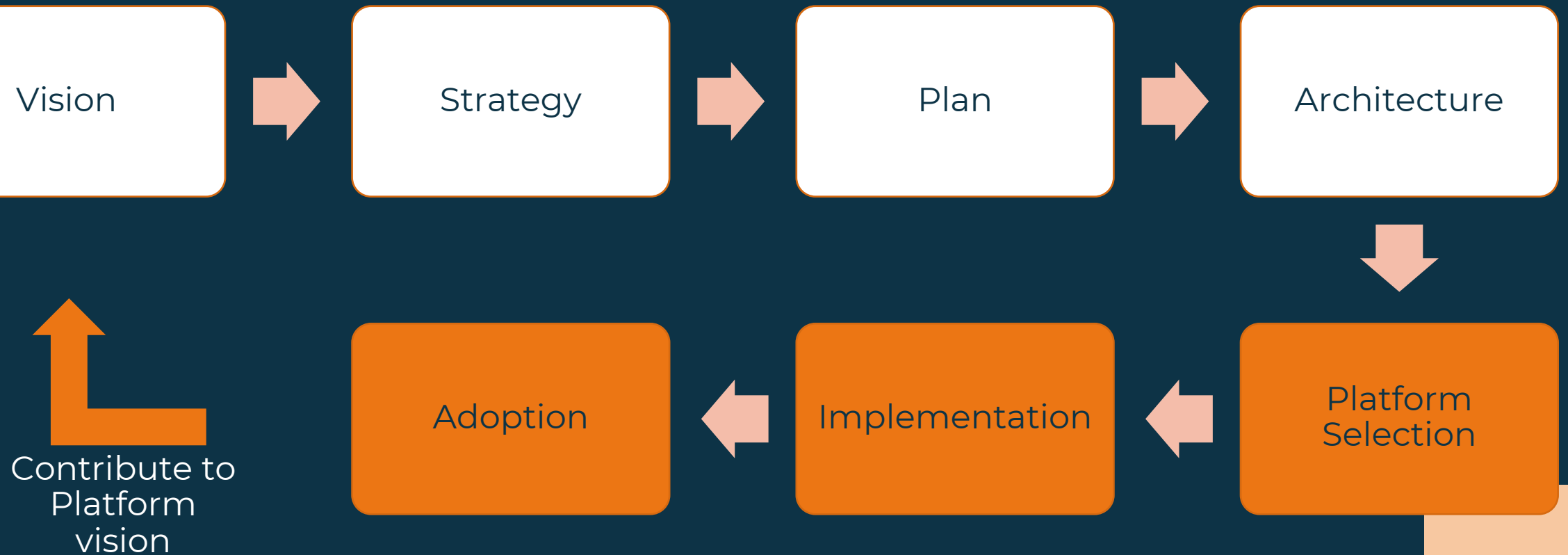
Yes, we have come a long way in our journey!



...yet, you have an option to still build it by...



... or you can implement a commercial platform,
which would need similar approach except...



... while it is a matter of choice, here is my recommendation for your consideration...

Build

- Technical expertise
- Incubation timelines
- Overall budgets
- Risk of failure
- Capital expenditure
- Tech & Functional Debt
- Organizational priorities
- Core competency is drug development

Buy

- Core business
- Market validated
- Shared risk
- OpEx
- Lower Tech & Functional debt
- Part to play in the platform roadmap
- Focus energy on change management, migrations etc.

- Strongly consider existing platforms
- Look for End-to-End capabilities
- Unified Platform / Data Fabric approach
- Plan for migration
- What is good for “You”
- Difference in approach based on emerging, medium or large
- Right partner with right vision, strategy and market credentials

...in conclusion

- ❑ Novel therapies, increase in DCTs and other modern approaches to clinical research are Increasing the demands to streamline data pipelines and computing needs
- ❑ It is critical that a modern, unified, user-friendly data fabric and statistical compute environment is required
- ❑ You can either build your own or you could buy a commercial solution and implement
- ❑ My recommendation is to buy ; You can focus on your core competencies to find new therapies and bring treatments to market faster



Thank You!

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