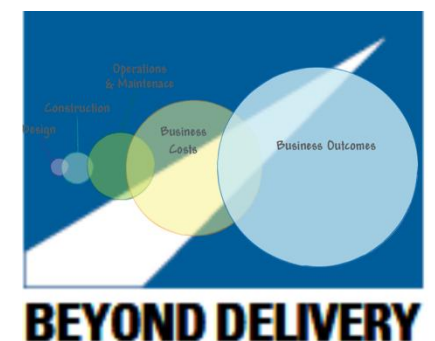


Beyond Delivery

The Balfour Beatty Building Information Modelling Methodology

20 March 2012



The Question:

What should a client expect from a contractor using Building Information Modelling (BIM) for project delivery?

A perspective on Digital technologies

The Application of Digital Toolsets



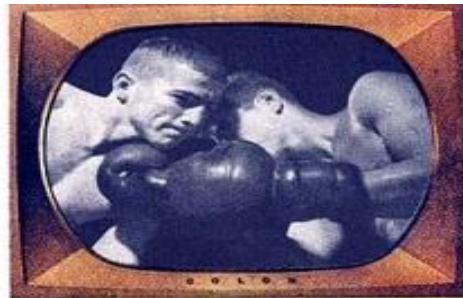
21" \$495 1960

42" LCD TV £299

2012



New "Wireless Wizard" remote tuning: Complete remote control offers full proof that Color TV is easy to tune. At finger touch, the picture turns on, changes channels, takes the tint, color and exact volume you like, even turns the set completely off—an exclusive RCA Victor feature!



Like two sets in one—color plus black and white! Naturally, you can get black-and-white programs on your Color TV, too. Just turn to the channel—and there it is! Owners say that the black-and-white pictures on their color sets are even better than the same picture on a regular TV.



Now twice the picture at half the cost! Six years ago, a Color TV set with a 9 x12-inch picture cost \$1,000. Today, 260-sq. in. big-screen RCA Victor Color TV's start as low as \$495. Ask your picture tube dealer for a demonstration and see the full difference that today's Color TV makes!



When you get a RCA Victor Color TV, you get a 12-month warranty, including only RCA parts. The TV is dependable!

Service is available in your area, or nearest RCA Service Center. Subject to change without notice.

Like **COLOR TV**
RCA VICTOR
 THE MOST TRUSTED NAME IN TELEVISION
 TVhistory.TV



Lessons from other industries



Automotive

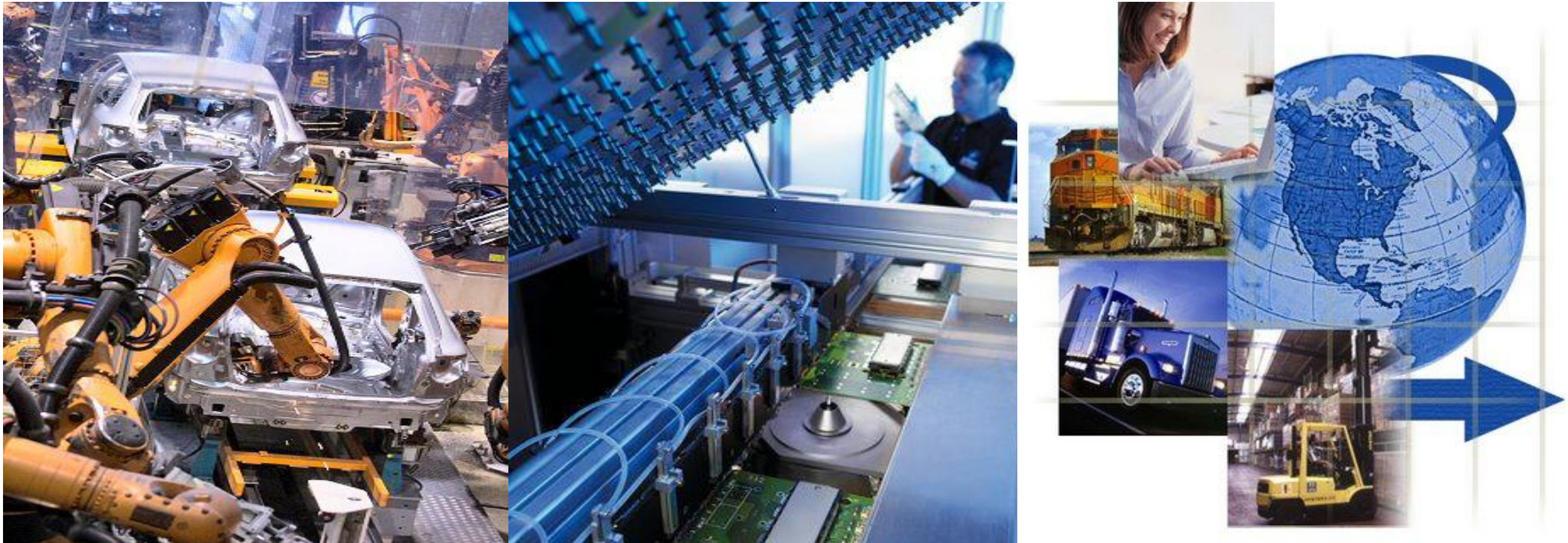


Manufacturing



Logistics

Lessons from other industries



Use the digital tool set to drive fundamental re-thinking of productivity in our sector

The B.I.M. Window of opportunity

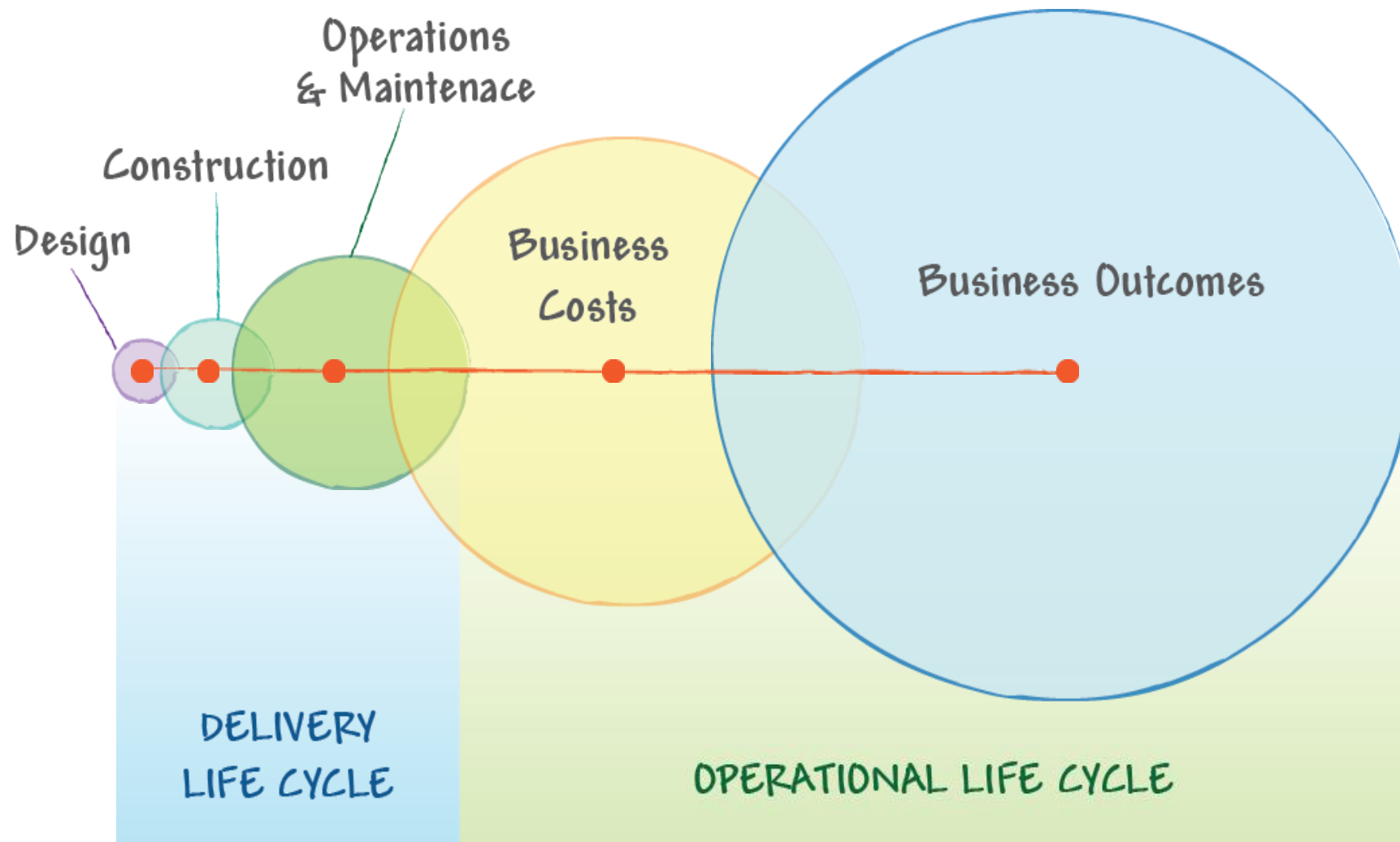
- Mature toolset
- Processes understood
- Technology affordable

Digital Construction



BEYOND DELIVERY

Beyond Delivery



Create an end to end BIM process model

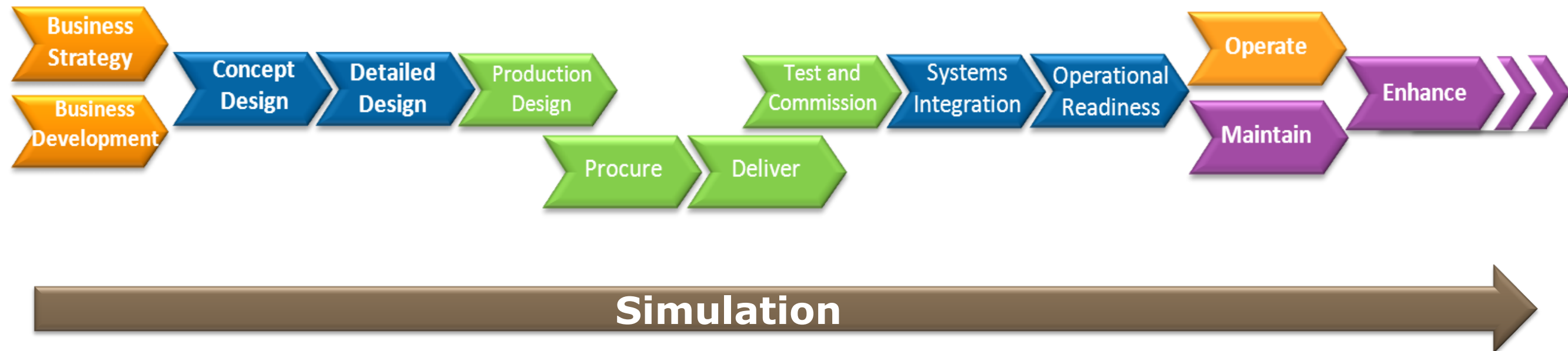


Building Information Modelling =

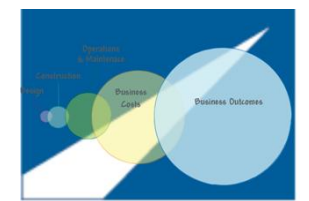
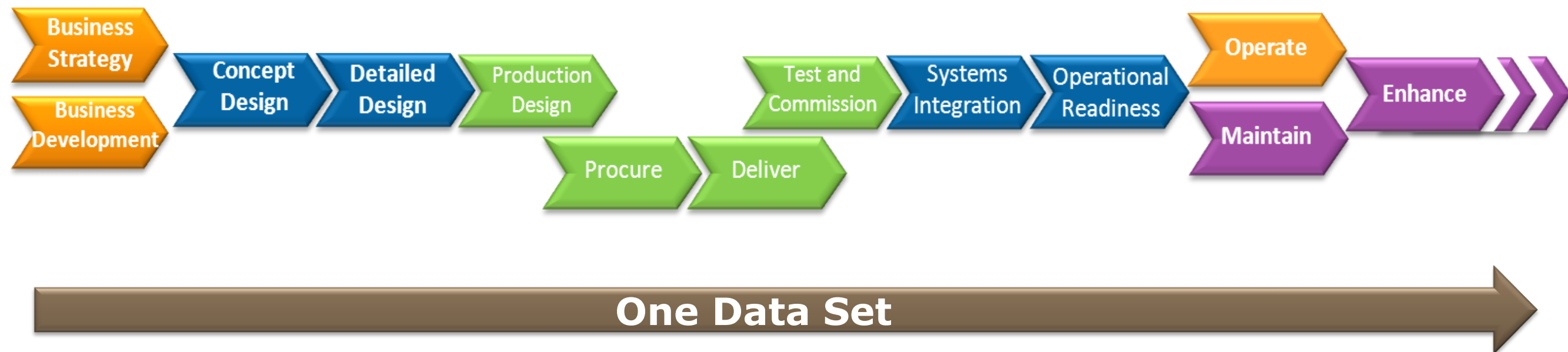
Building Information Modelling (BIM) is a delivery methodology that utilises digital tool sets to visualise, collaborate, simulate, optimise and integrate utilising an integrated data set (the building information model) through the whole asset lifecycle.



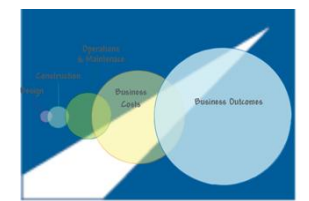
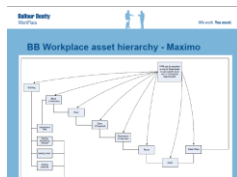
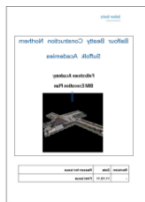
Asset Lifecycle



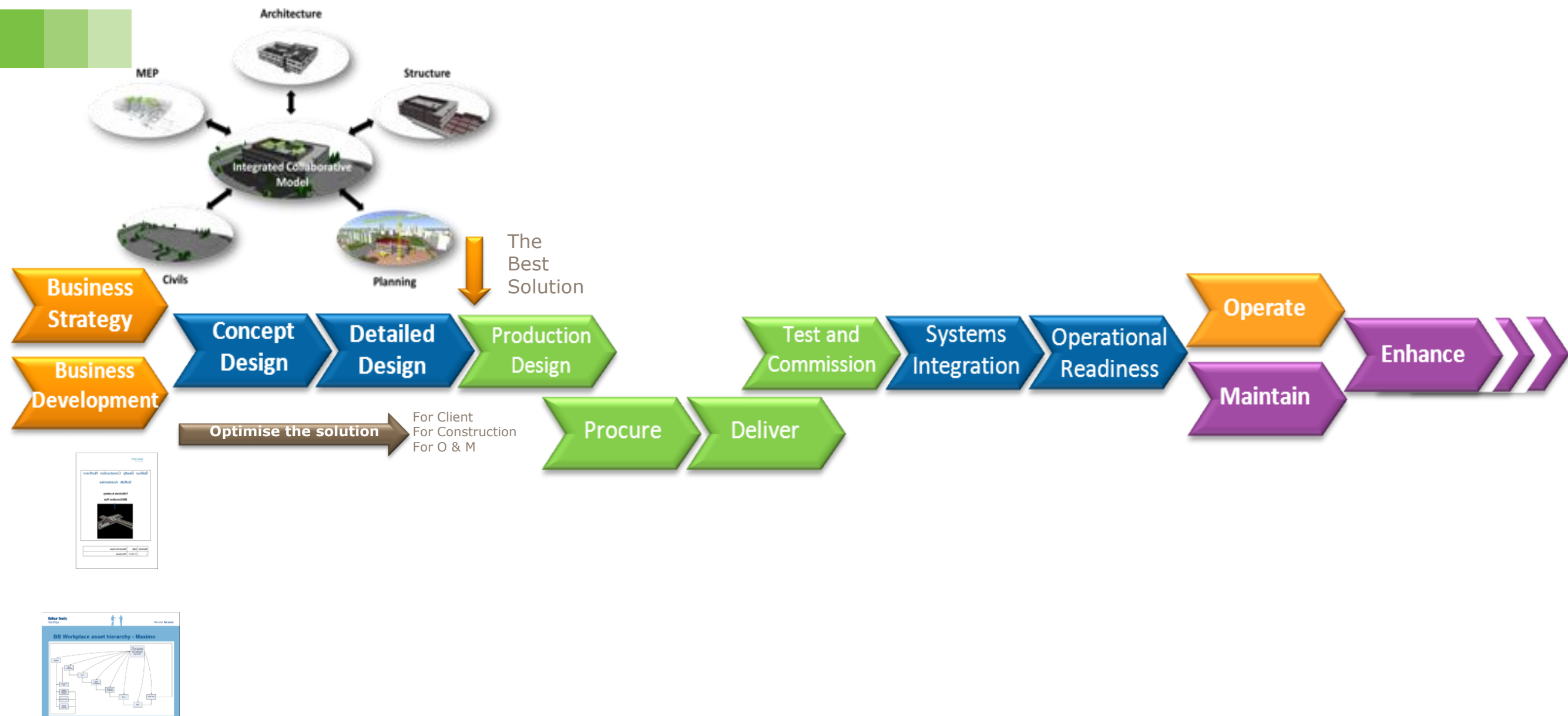
Asset Lifecycle



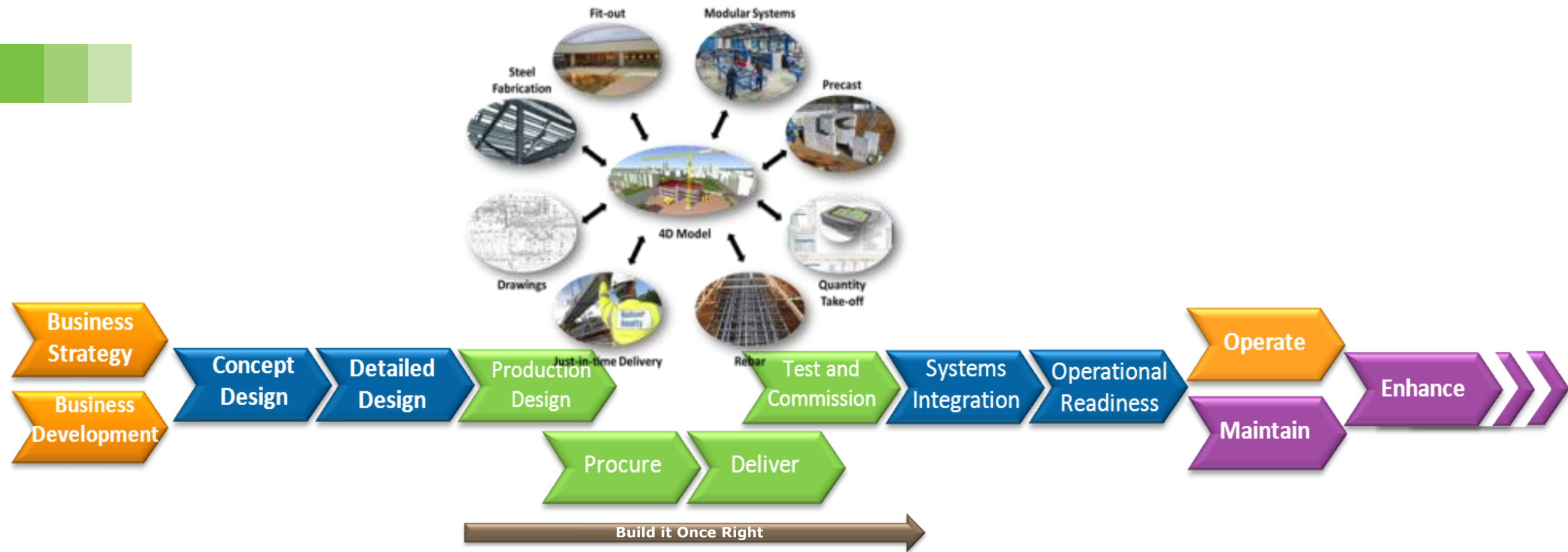
Asset Lifecycle



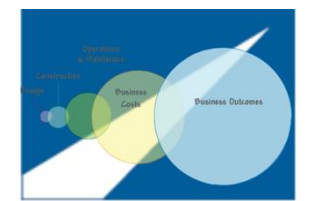
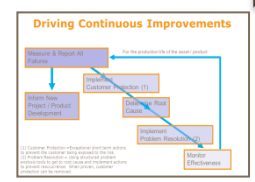
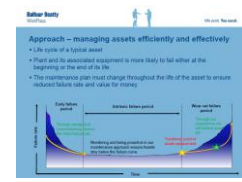
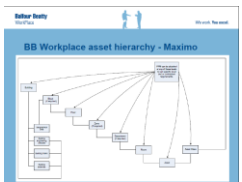
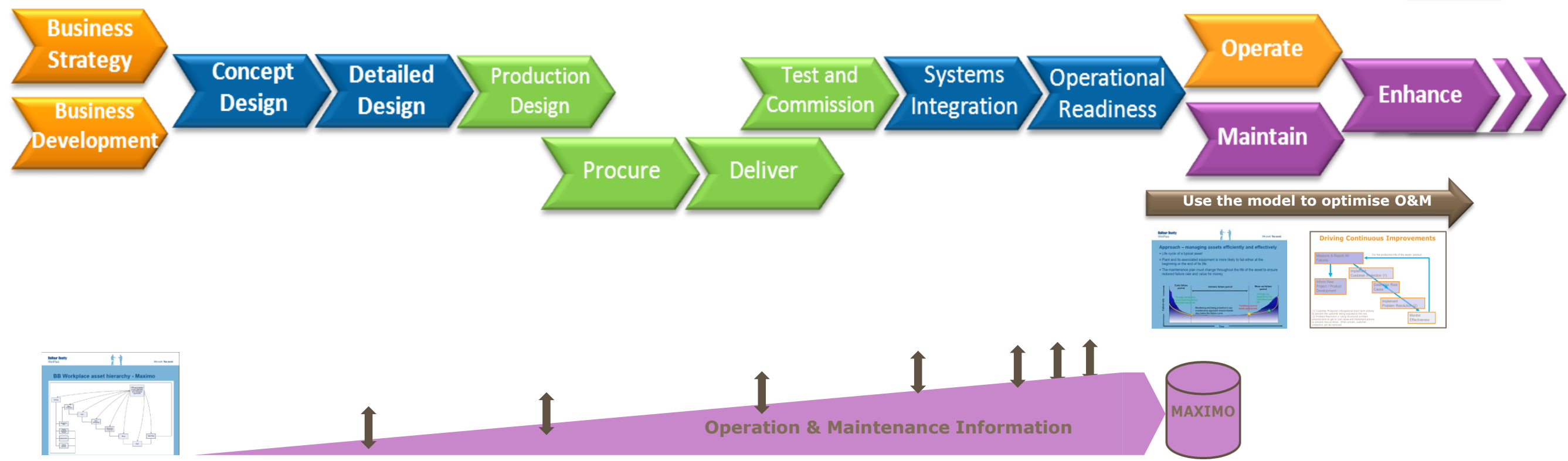
Asset Lifecycle



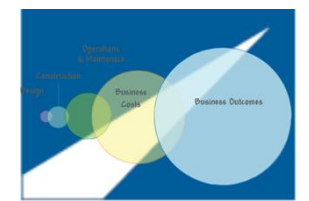
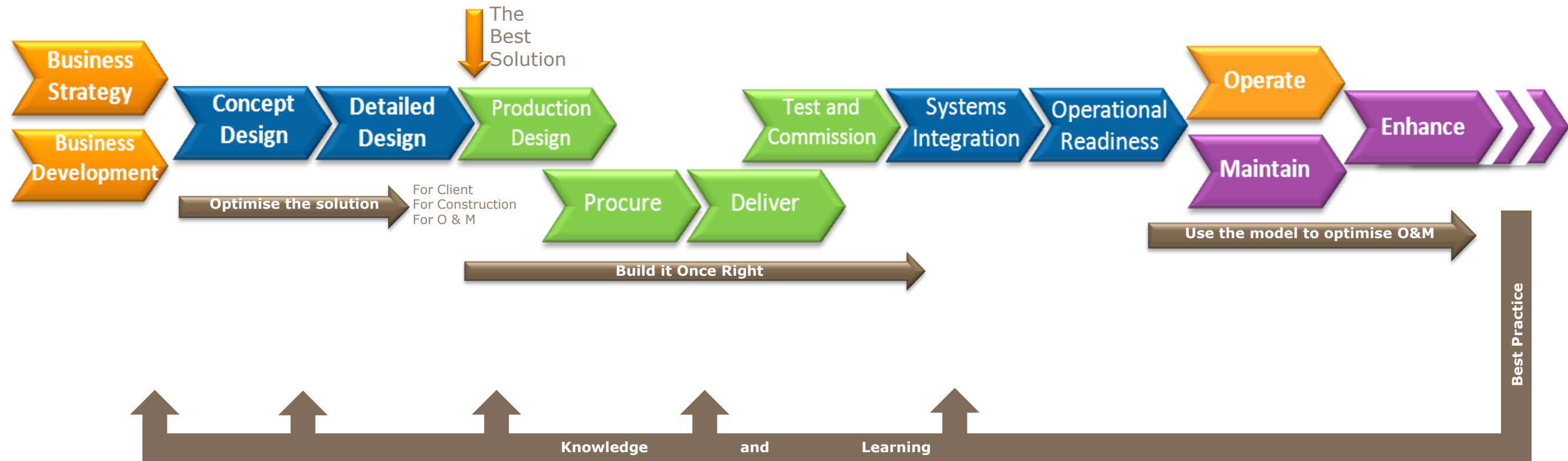
Asset Lifecycle

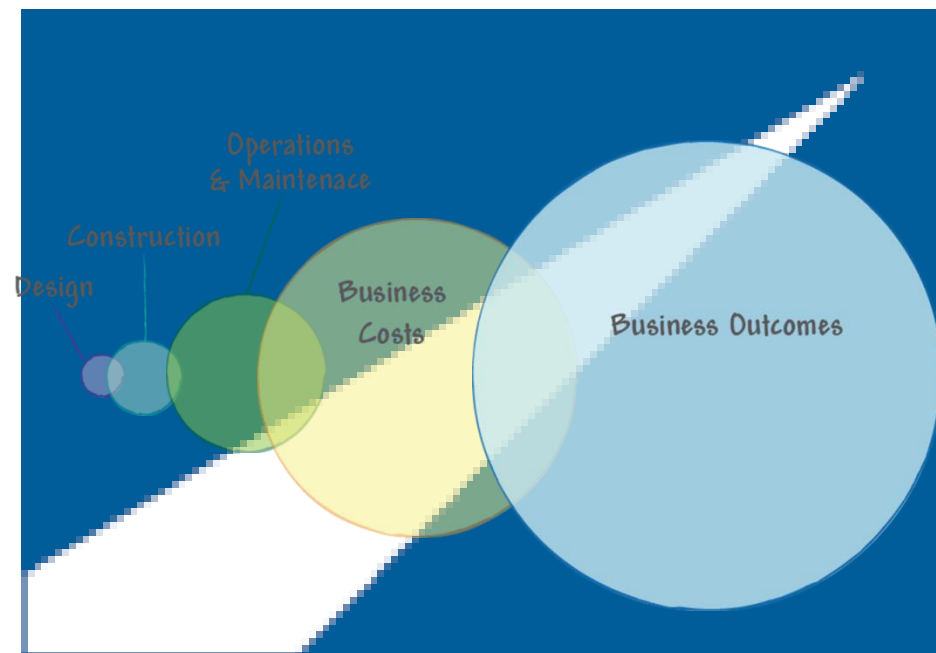


Asset Lifecycle



Asset Lifecycle





BEYOND DELIVERY

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