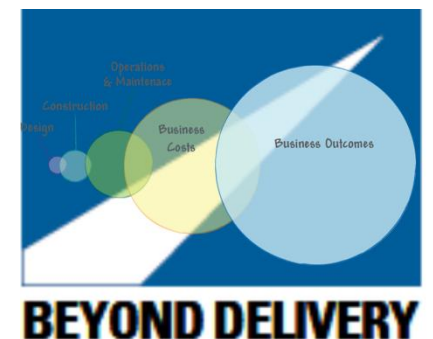


# Beyond Delivery

## 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



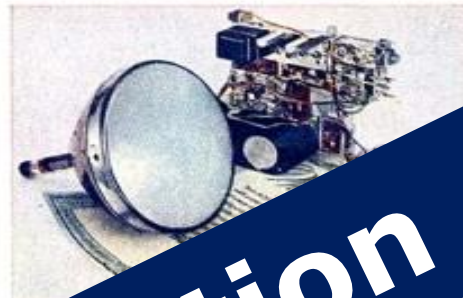
New "Wireless Wizard" remote tuning: Complete remote control offers full proof that Color TV is easy to tune. At finger touch, the picture turns on, changes channels, takes the tint, color and exact volume you like, even turns the set completely off—an exclusive RCA Victor feature!



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.



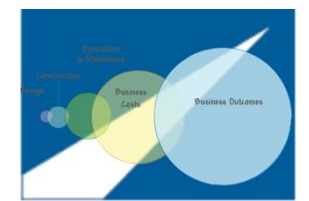
Now twice the picture at half the cost! Six years ago, a Color TV set with a 9 x12-inch picture cost \$1,000. Today, 260-sq. in. big-screen RCA Victor Color TV's start as low as \$495. Ask your picture tube dealer for a demonstration and see the full difference that today's Color TV makes!



When you get a RCA Victor Color TV, you get a 12-month warranty, including only RCA parts. RCA's 12 months... proof of the TV's dependability!

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

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



# Lessons from other industries



Automotive

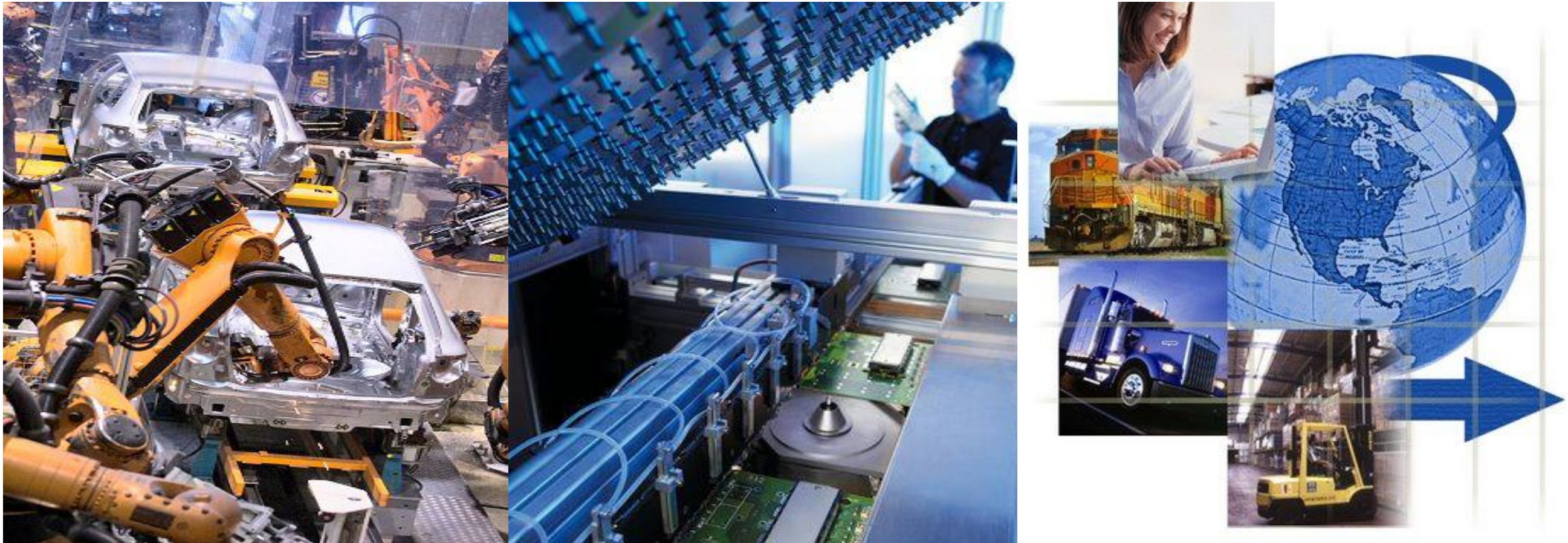


Manufacturing



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

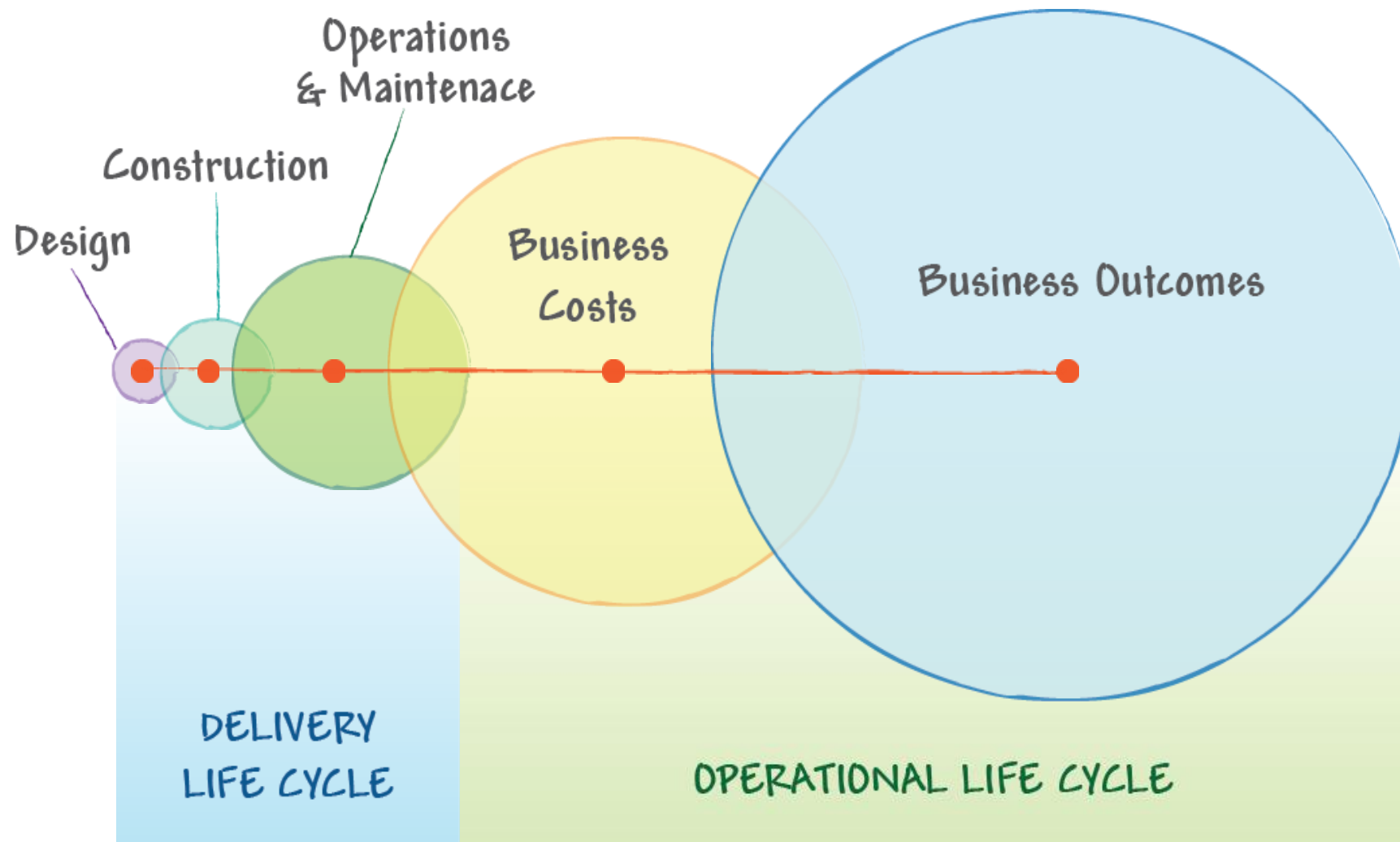
- Mature toolset
- Processes understood
- Technology affordable

## Digital Construction



BEYOND DELIVERY

# Beyond Delivery



Create an end to end BIM process model



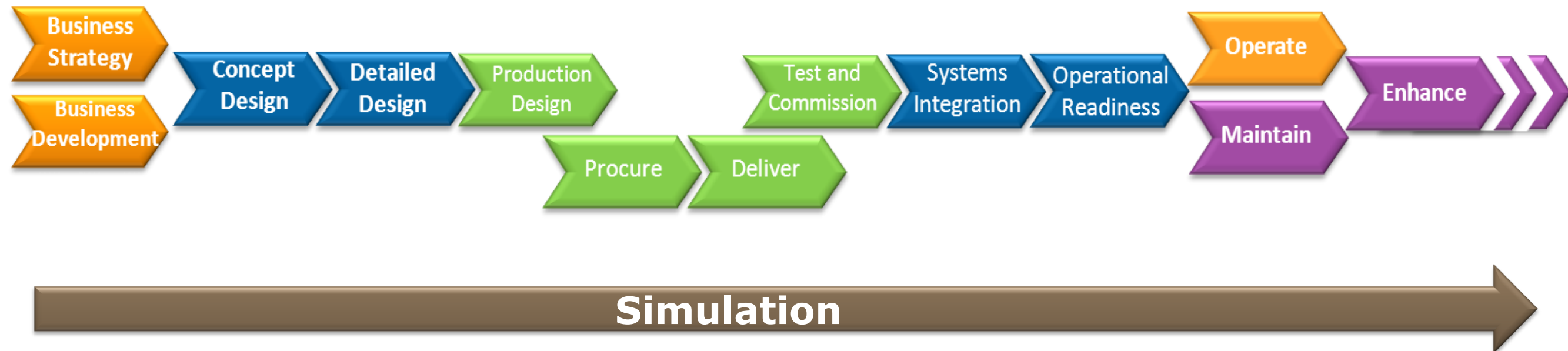
# Building Information Modelling =

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.

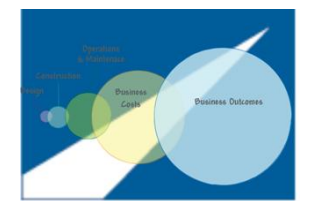
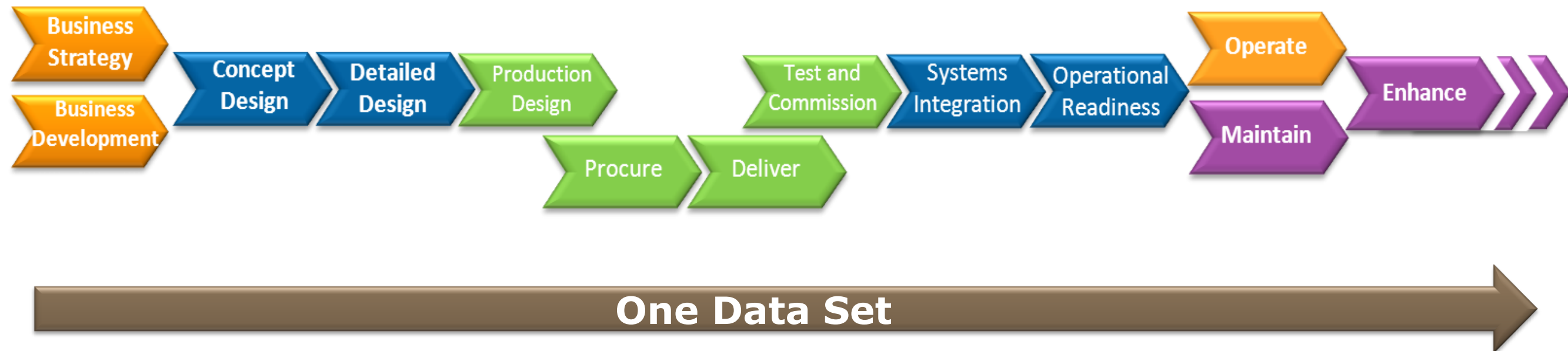




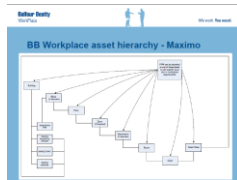
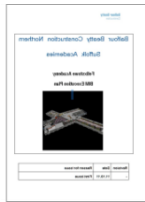
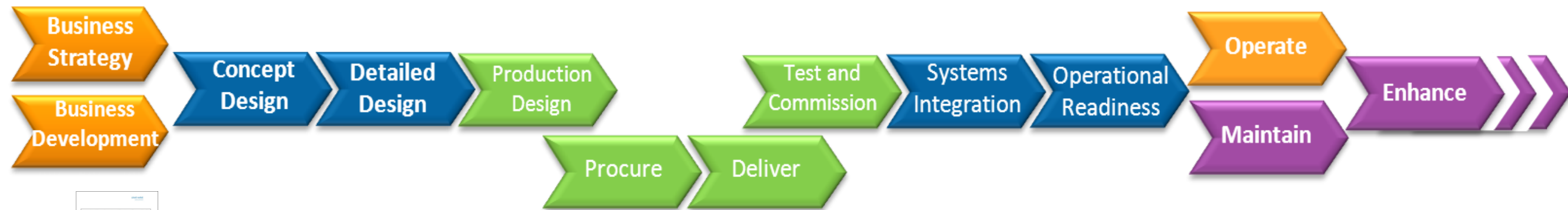
# Asset Lifecycle



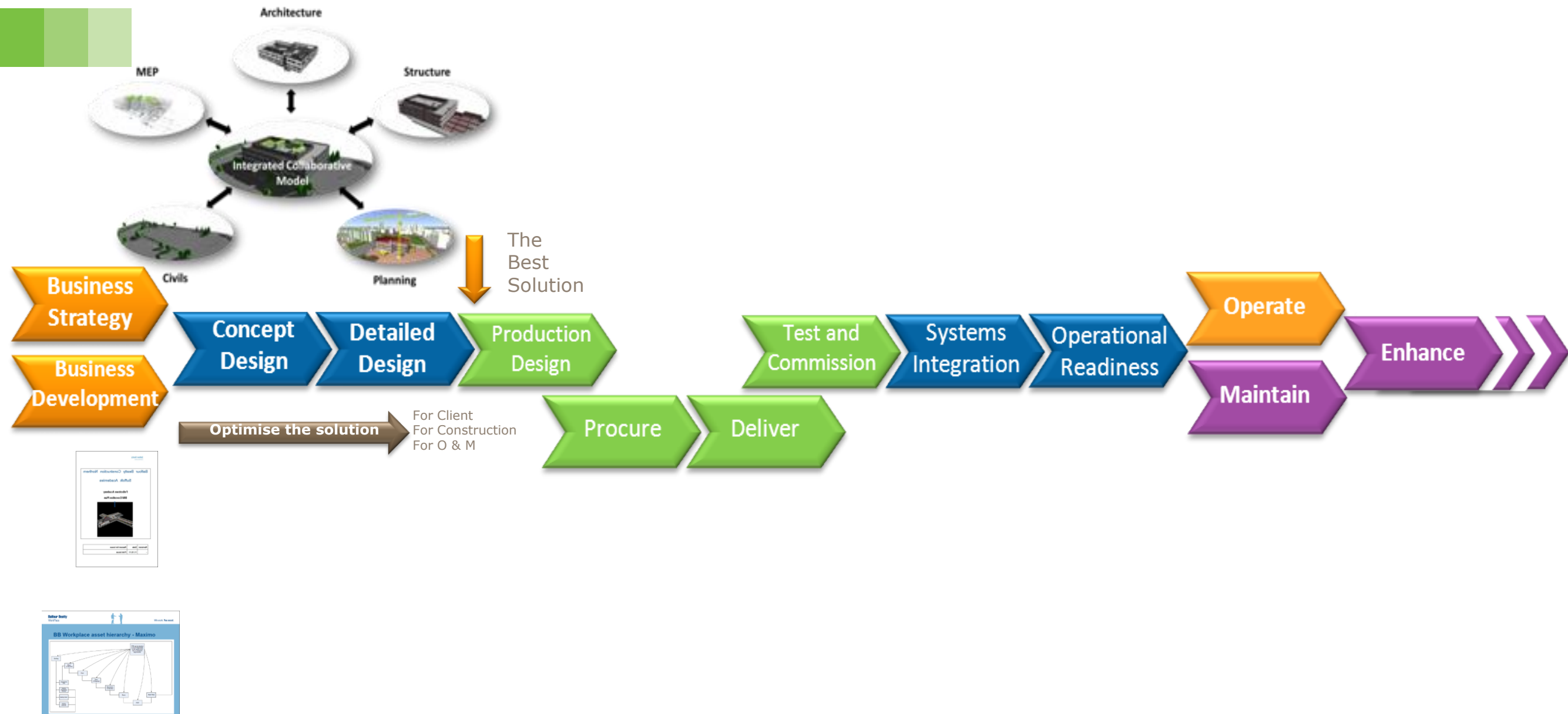
# Asset Lifecycle



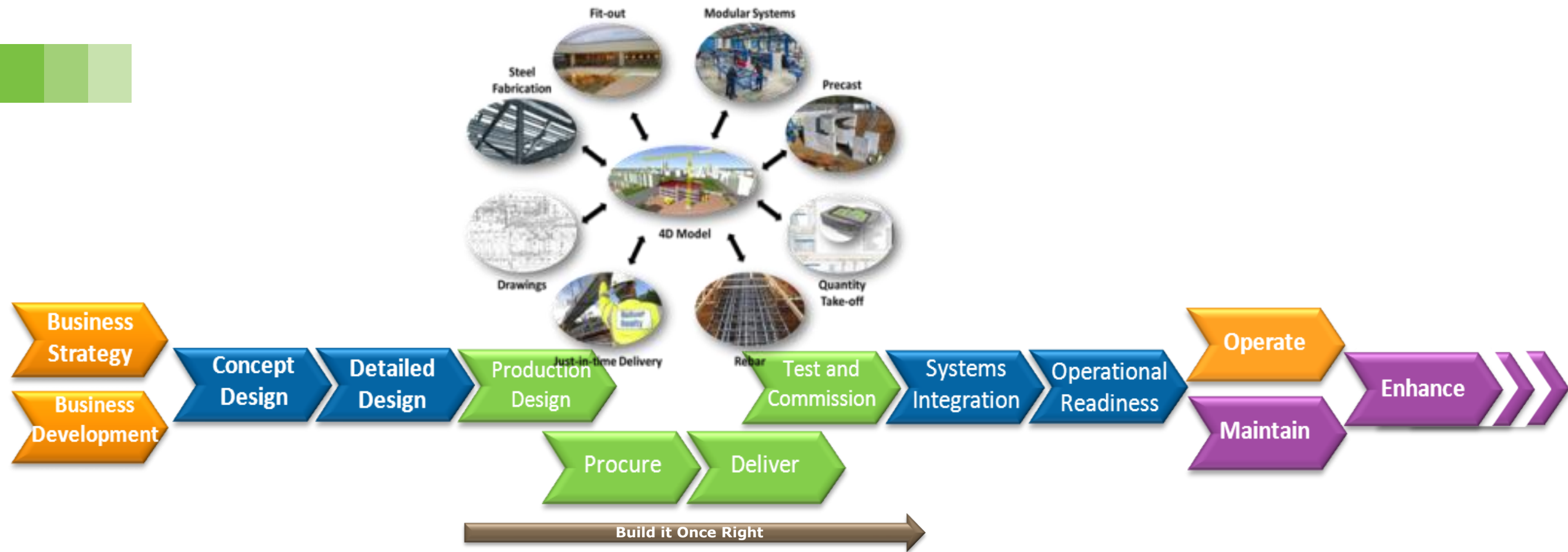
# Asset Lifecycle



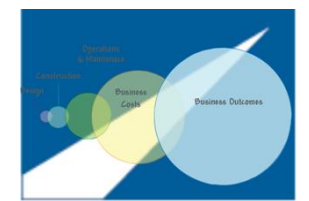
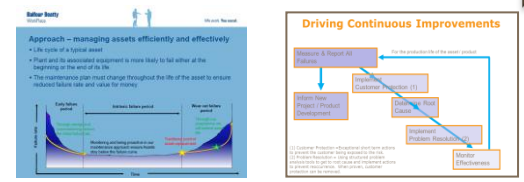
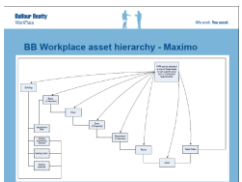
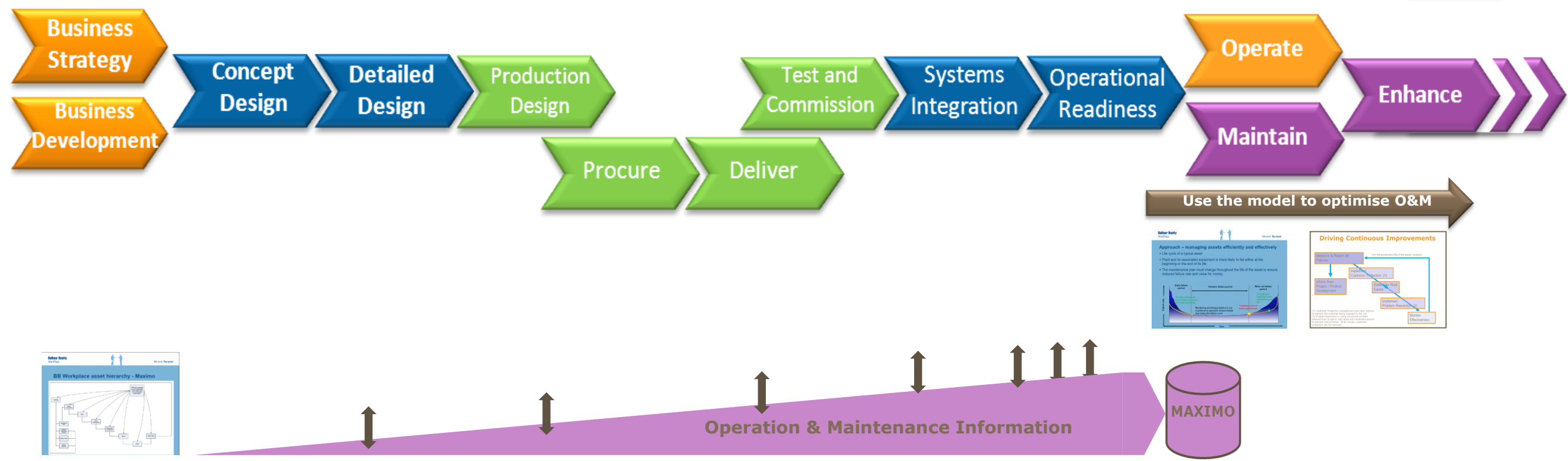
# Asset Lifecycle



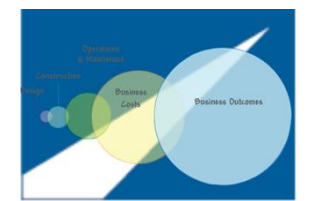
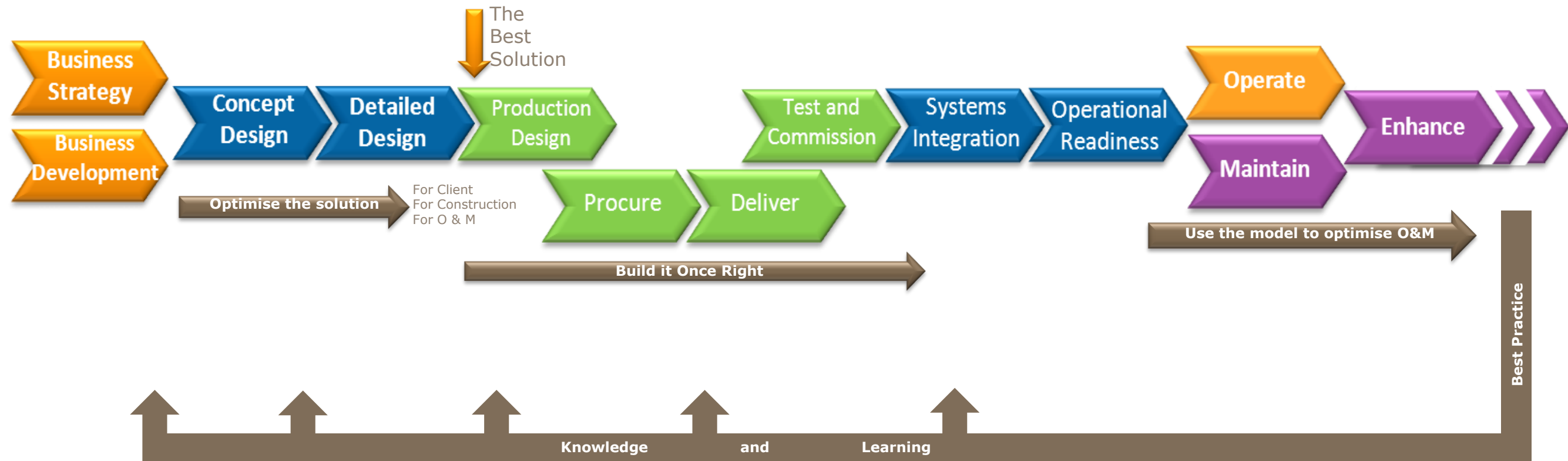
# Asset Lifecycle

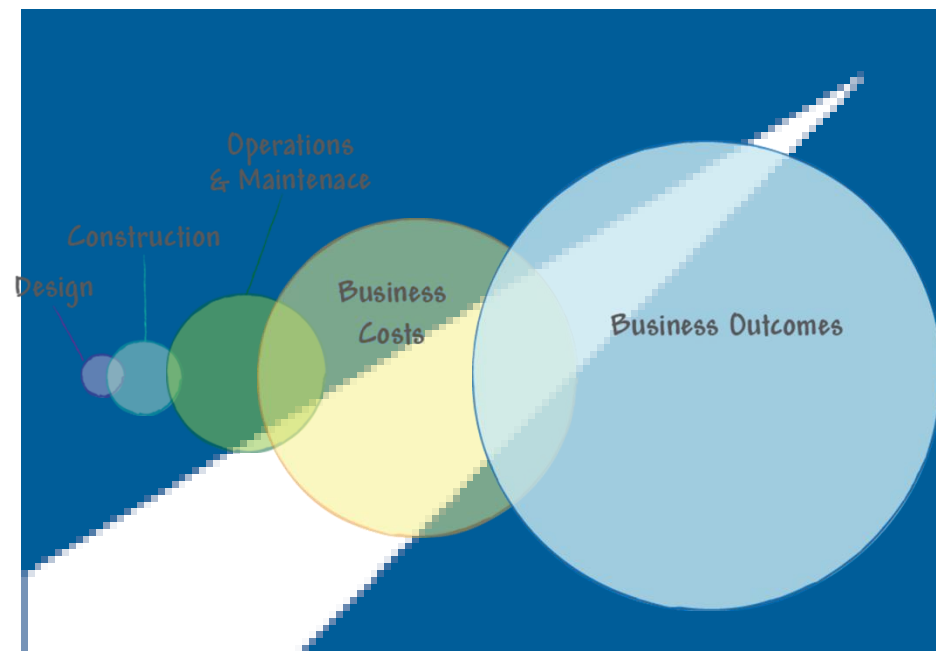


# Asset Lifecycle



# Asset Lifecycle





# BEYOND DELIVERY

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