

# Applying Evidence-Based Design

Evidence-Based Design (EBD) is the process of basing decisions about the built environment on credible research to achieve the best possible outcomes. The process does not have to be linear. Move back and forth between steps as new information arises.

## The EBD Process

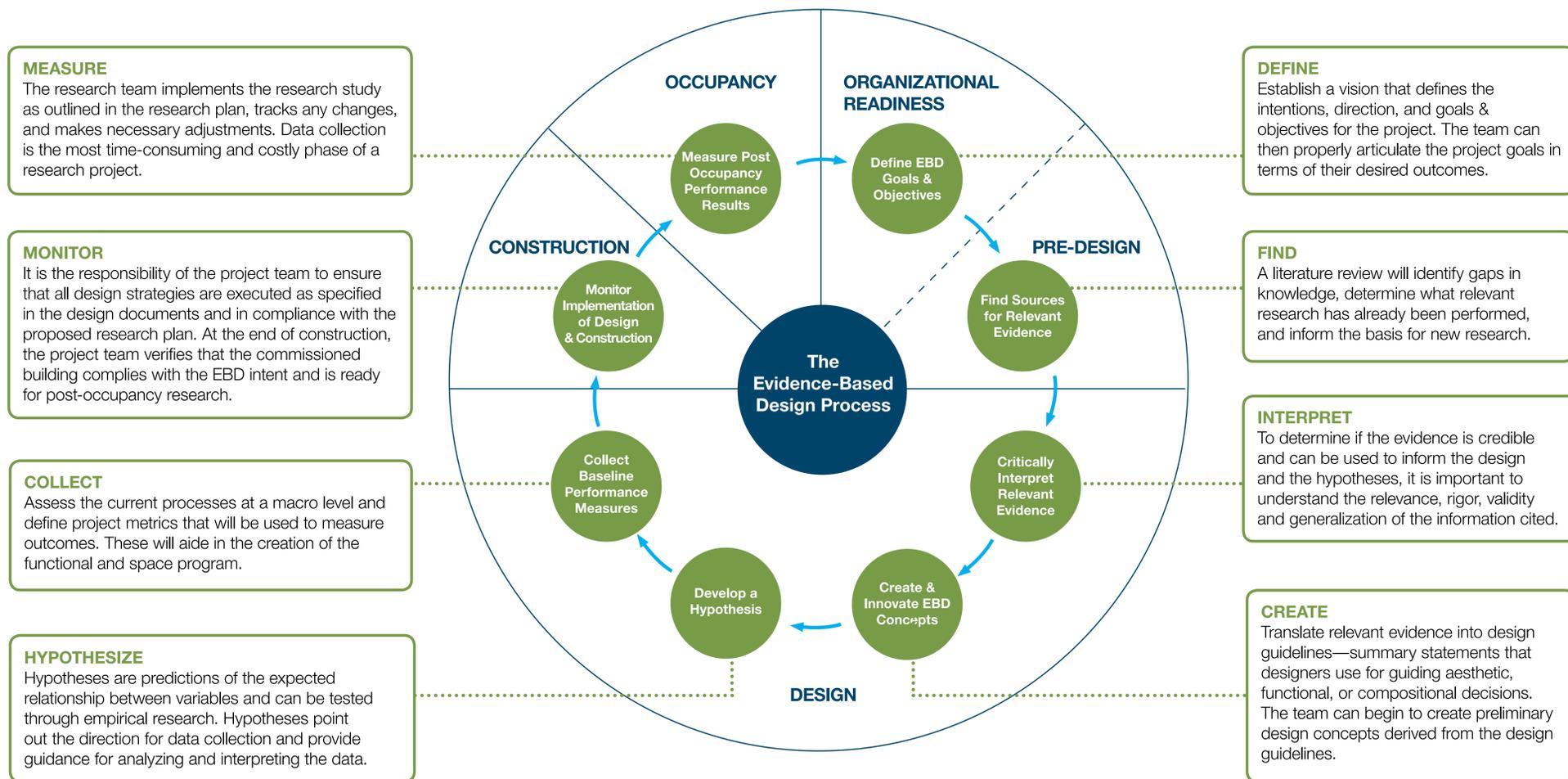


Image created from EDAC Exam Prep Video 1.

## Additional Considerations

### Making the Business Case

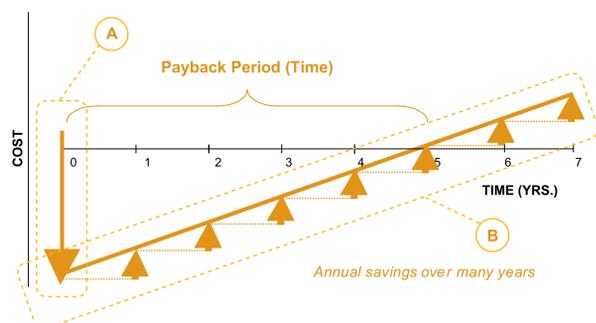


A business case should be created at the beginning of the project and updated as the project moves through the different phases. By thinking about the entire lifecycle of a project many one time or first year costs for an EBD feature may be offset by the Return on Investment (ROI) over multiple years through

operational savings that occur as a result of that specific strategy or bundle of strategies.

Create a business case by looking at the entire life cycle for the project and consider:

- First year and multiyear costs
- Revenue and operational savings
- ROI based on a multi year payback period – value creation
- Assessment of baseline performance changes



Source: Zofia Rybkowski, PhD  
P2SL-TEKES Healthcare  
Facilities Conference  
February 20, 2007

### Interdisciplinary Teams



Create a team which includes typical members along with professionals that provide a broad knowledge in healthcare delivery, process improvement, and research. This core group will envision, champion, create, innovate, and implement the EBD process for each individual project. Involving individuals from all levels of the organization helps ensure that it receives the financial, cultural, technological, and administrative support that it needs to thrive.

### Environment of Care

Individuals practicing EBD understand that the physical environment is only one of the components of the Environment of Care (EOC). It is the relationship of all the components that impacts culture and allows individuals to identify the strategies that will yield the greatest outcomes.

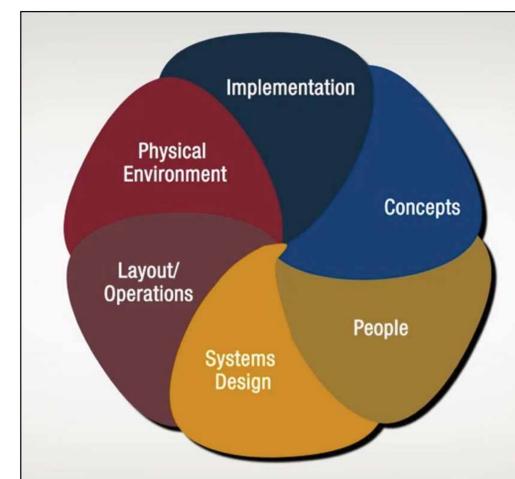


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