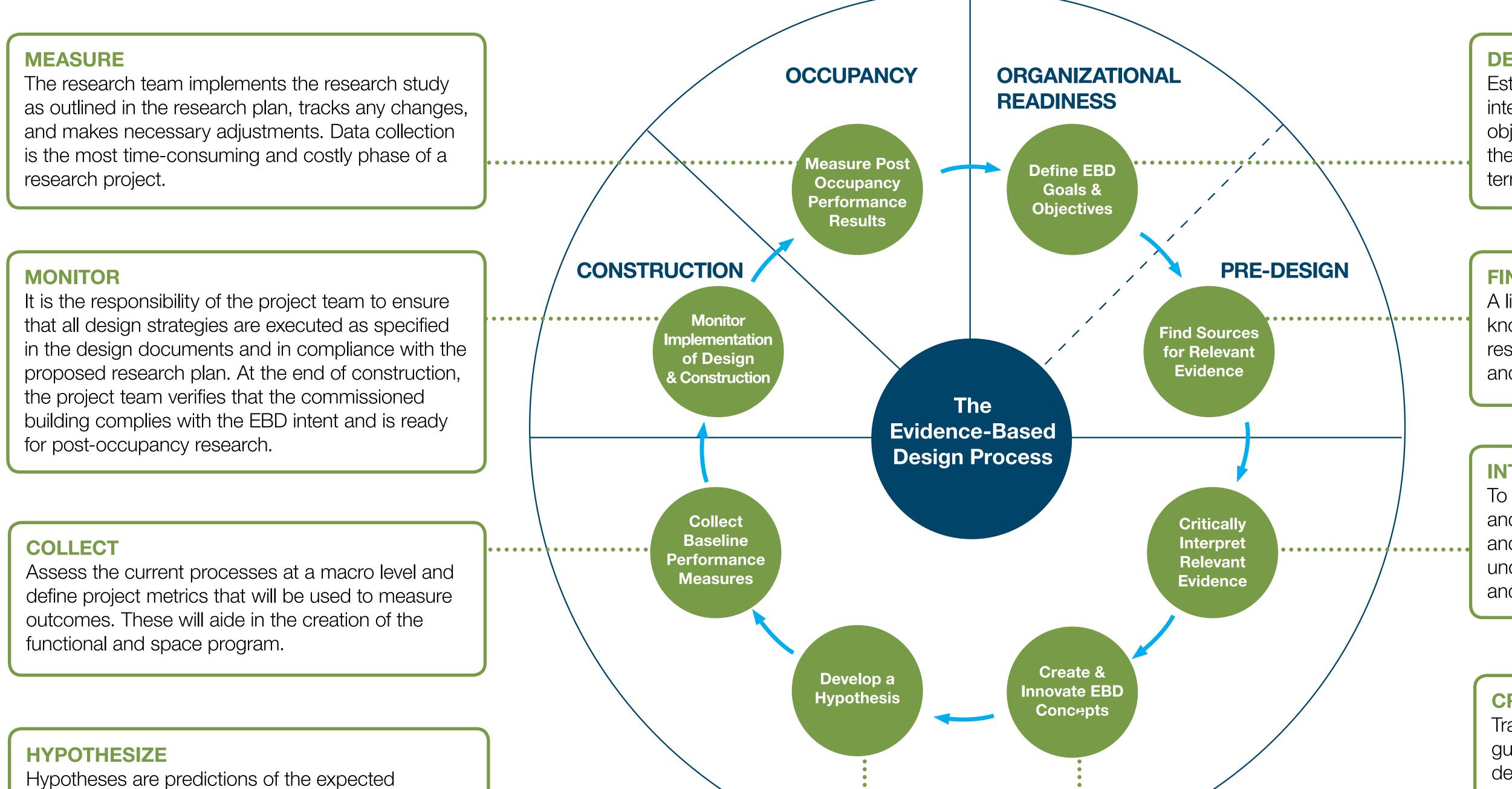
Applying Evidence-Based Design

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



DEFINE

Establish a vision that defines the intentions, direction, and goals & objectives for the project. The team can then properly articulate the project goals in terms of their desired outcomes.

FIND

A literature review will identify gaps in knowledge, determine what relevant research has already been performed, and inform the basis for new research.

INTERPRET

To determine if the evidence is credible and can be used to inform the design and the hypotheses, it is important to understand the relevance, rigor, validity and generalization of the information cited.

CREATE

Translate relevant evidence into design guidelines—summary statements that designers use for guiding aesthetic, functional, or compositional decisions. The team can begin to create preliminary design concepts derived from the design guidelines.

Additional Considerations

Making the Business Case

relationship between variables and can be tested

through empirical research. Hypotheses point

out the direction for data collection and provide

guidance for analyzing and interpreting the data.



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

Interdisciplinary Teams

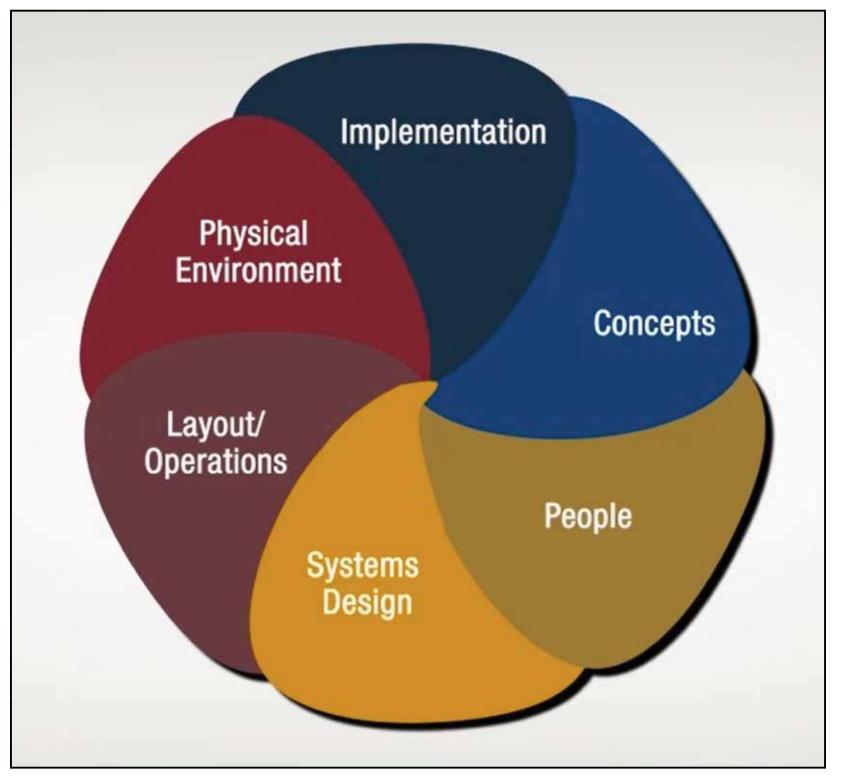
DESIGN



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.



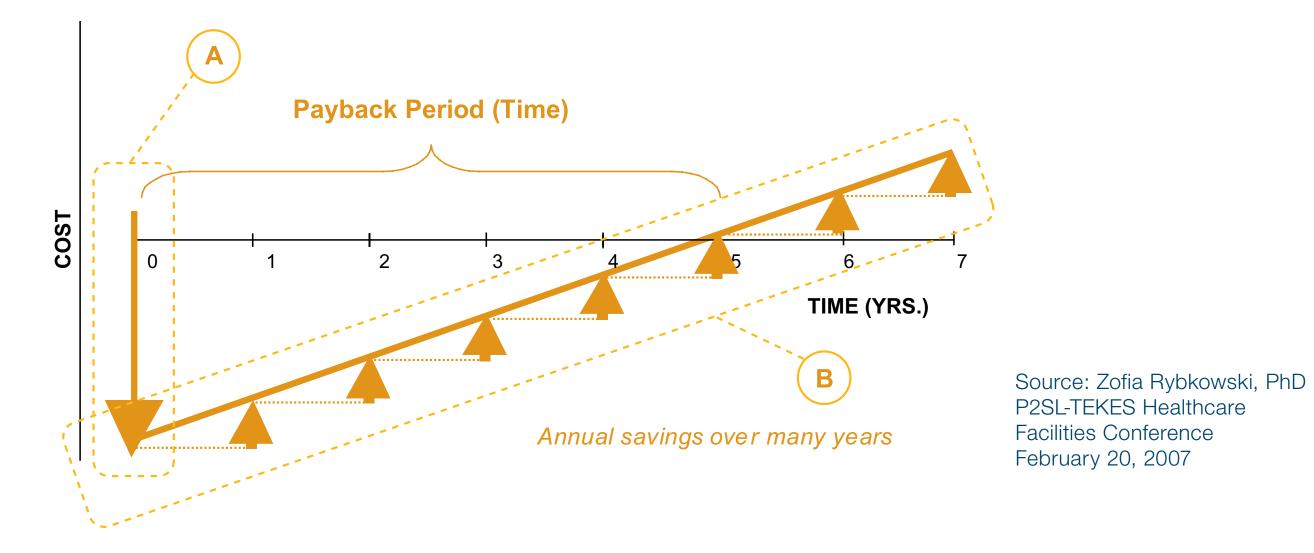


Image created from EDAC Exam Prep Video 1.

Become EDAC certified.

