

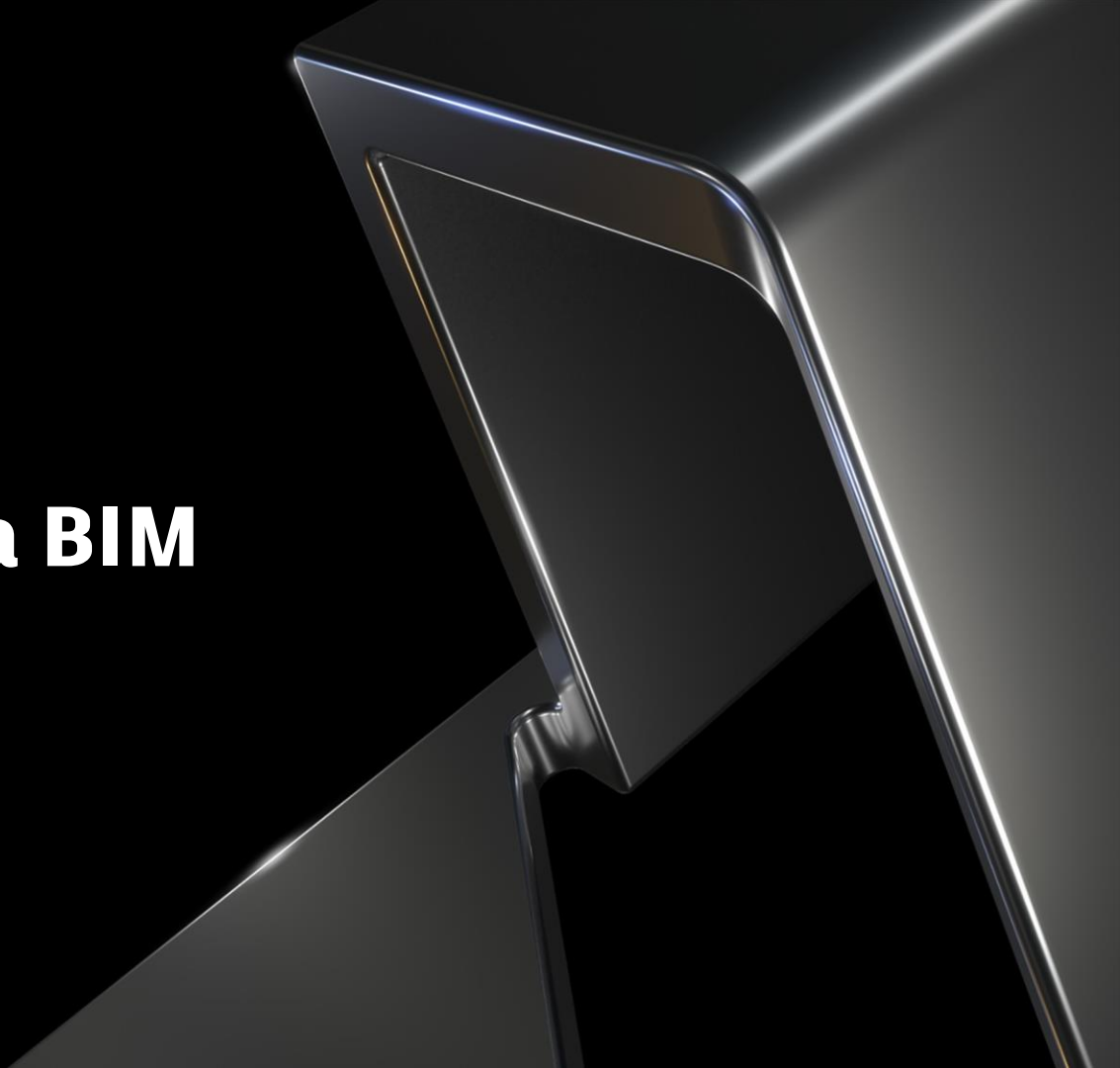
AUTODESK UNIVERSITY



# Taking the Leap: Transitioning to a BIM Manager

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# Presentation Outline

- Introduction
- Learning Objectives
- BIM as a Process

Elements of a BIM Manager

- Taking the Leap for your Organization
- Resources & Summary

# Chris Lindo

- Consultant, Design Practice Team CADD Microsystems
- BIM Manager // Electrical Designer
- AEC Industry since 2010
- Speaker at BiLT NA, Tyler Connect, XCON, & others
- Interests: Technology, 3D Modeling, History, Traveling, & Bow Ties



# Learning Objectives

- Discover what a BIM manager is and how one can help your organization
- Discover how planning strategies, training, and continued education can help with the transition to a BIM manager
- Learn how to fit the role to your organization by defining clear objectives and responsibilities
- Engage in an open-room discussion on the role of today's BIM manager, best practices, and resources available



# **BIM as a Process**

# BIM as a Process

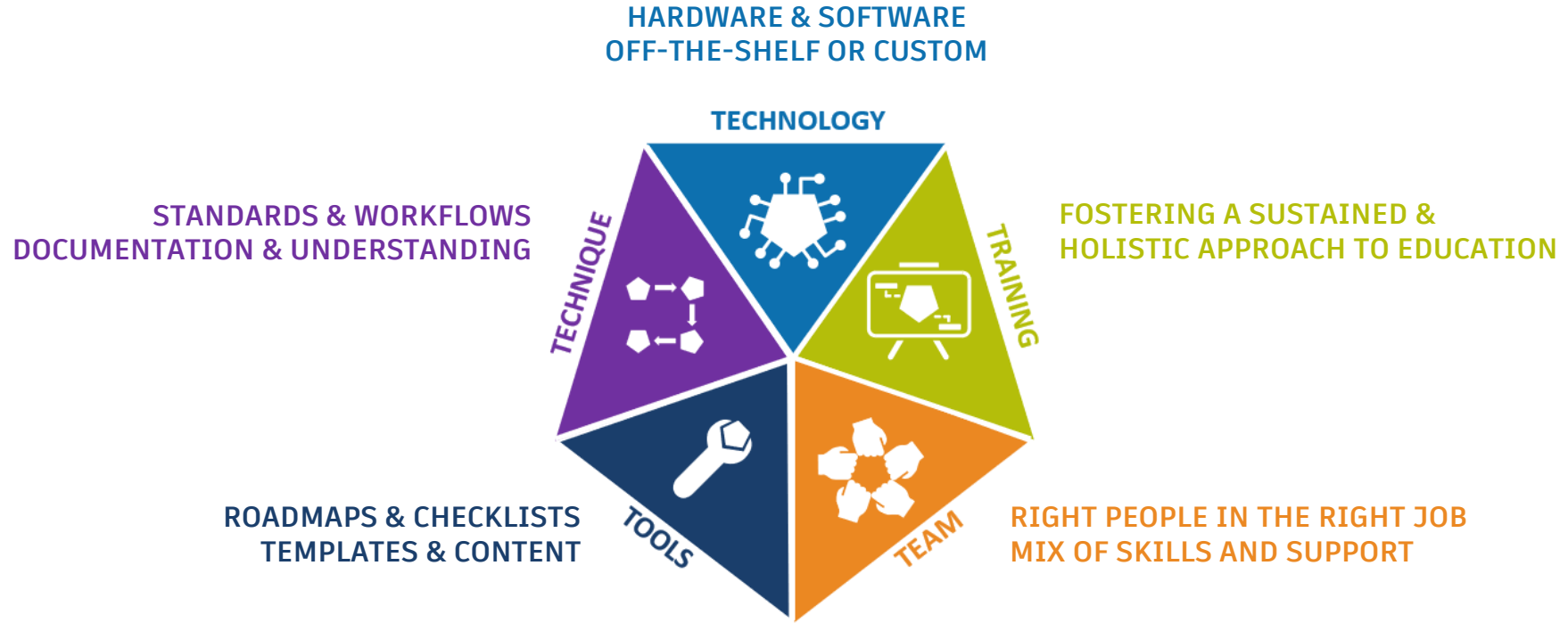
## What is BIM

- Building Information Modeling: Holistic process of creating and managing information for a built asset. Based on an intelligent model and enabled by a cloud platform, BIM integrates structured, multi-disciplinary data to produce a digital representation of an asset across its lifecycle, from planning and design to construction and operations.<sup>1</sup>
- Building Life Cycle: View of a building and/or asset over the course of its entire life taking into account the design, construction, and operation of the building and/or asset.

<sup>1</sup> [www.Autodesk.com/solutions/bim](http://www.Autodesk.com/solutions/bim)

# BIM as a Process

The Five T's



# **BIM Manager**



# BIM Manager

Key elements of a BIM manager

- Liaison between leadership & production
- Develops strategies for BIM implementation & practices
- Training & education
- Develops & maintains standards
- Staff support
- Innovation & thought leadership

# BIM Manager

## Strategize your transition

Identify how you and your organization can benefit from the adoption of BIM and the creation of a BIM Manager. Focus on key areas that help you define what you need in order to be a successful BIM Manager such as:

- What are your goals as a BIM Manager
- Who do you need to buy in
- What does it mean to you
- What education do you need (initial & ongoing)
- What tools do you need (software, hardware, support)
- What gaps are you filling in your organization
- What responsibilities do you want



# **Taking the Leap for your Organization**

# Start the Conversation

Discuss, layout, research

- Has your organization tried this before? Are there BIM Managers?
  - Goals
  - Pitfalls
  - Support
- Who has heard of a BIM Manager
  - What do they think it is and how would it fit
- The Buy-In
  - Who are we trying to convince

# Assess Current State

How is your organization performing their work

- Current Projects
  - Pitfalls & Shortcomings
  - Roles
- Production Staff & Support
  - Responsibilities
  - Organization & Management
- Technology (Hardware & Software)
  - Use & Utilization
  - Access & Training
  - Upgrades
- Barriers
  - New Work
  - Software & Training
  - Time
- Project Initialization
- Process Documentation
- Asset Library

# Mission Statement

What is your goal and how does it fit with your organization

- Review organization's mission statement
  - What is important to your organization
- What does the implementation of BIM mean to you
  - What do you view as important goals
- Define your mission
- Gain support

# Investment

Upper management investment & support

- Provide a detailed assessment
  - Current state
  - Perspective of staff
- Game it out
  - What can this look like for your firm?
  - Mission statement and culture alignment
  - Short, medium, & long term goals

# Engage your colleagues

How you can support your colleagues as a BIM Manager

- Interviews
  - What works well?
  - What can be improved?
  - What is missing?
- Tools & Technology
  - Do they have the right tools and are they working well?
- Training
  - Are there gaps in training?
  - Support & continued education



# Assess Technology

What do you have right now and what you will need

- Applications & Software
  - What are you using in production?
  - What are others using and can this benefit everyone?
  - What is out there and what can we use?
    - Revit, Autodesk BIM 360, Navisworks Manage...
- Hardware
- Server & IT support

# Define Goals & Responsibilities

How does the role fit with your organization

- Role or Team
  - BIM Management can involve a team of “champions”, dividing up the tasks and responsibilities as needed
- BIM Manager responsibilities
  - Asset creation/management
  - Project development
  - Standards development
  - Maintenance
  - Continued education & training
  - Project production support
  - BIM Execution Plan (BEP)
  - Much more!

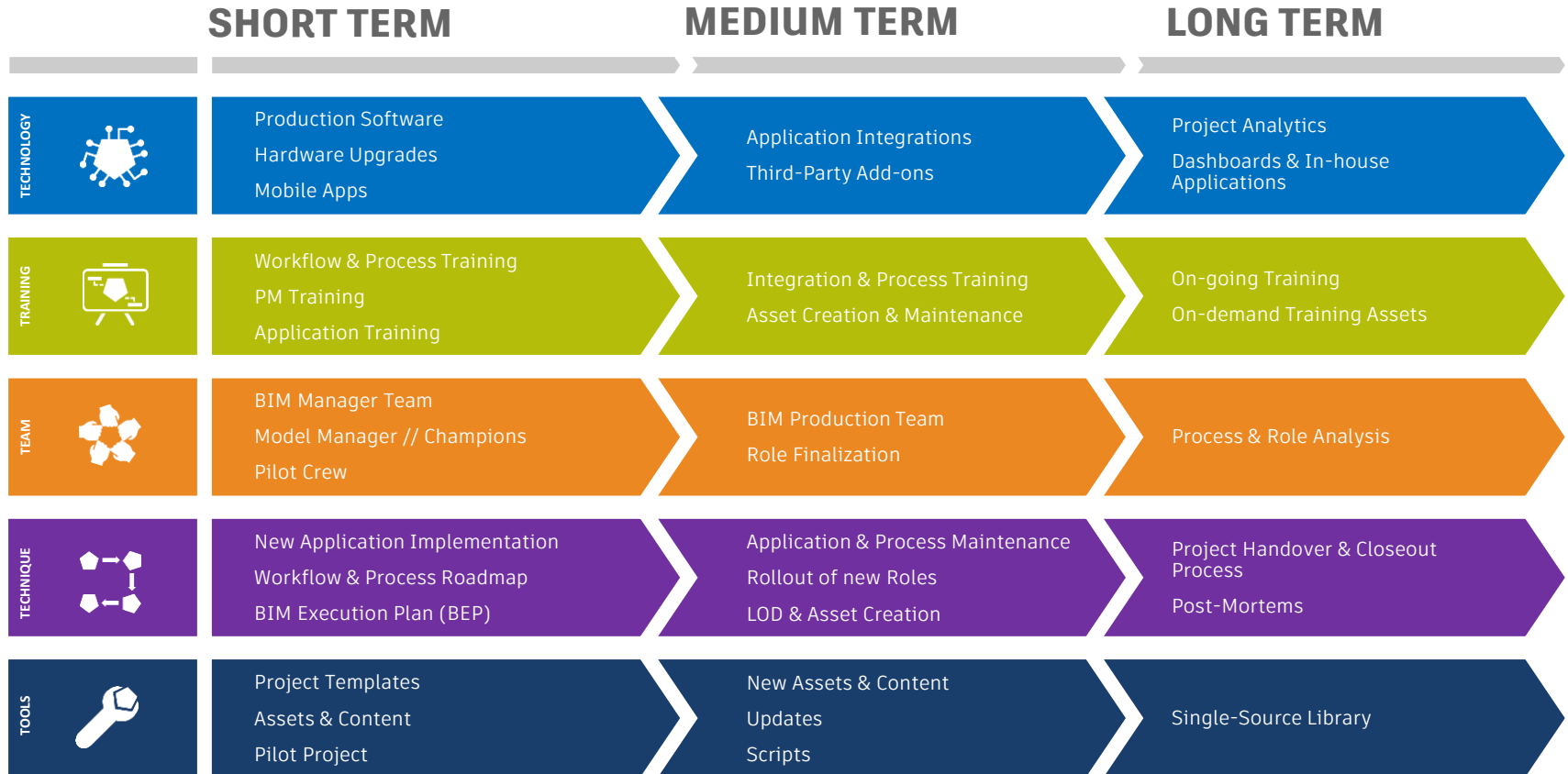
# Success Indicators & Continued Assessment

How has the role been working

- What indicates success
  - Staff morale
  - Adoption prevalence
  - New work
  - New assets & tools
  - Higher level of software comfort
  - Utilization & efficiency
- Survey
  - Assess the effectiveness of BIM implementation

# Roadmap

# Road Mapping the Five T's



# Resources

# Education Resources

- Online Resources
  - AU Online
- Autodesk Authorized Training Center (ATC)
- Autodesk University
  - Live Sessions
- User Groups
  - Revit User Groups
- Social Media // BIM Experts
- Blogs
- Books

# Summary



# Summary

- Building Information Modeling (BIM) as a process
  - Change is scary but necessary
- Five T's
  - Technology, Training, Team, Tools, Technique
- Elements of a BIM Manager
- Taking the Leap for your organization
- Roadmap

The background features four abstract, dark, metallic-looking geometric shapes in the corners, resembling stylized computer monitors or architectural elements. They are arranged symmetrically, with two in the top corners and two in the bottom corners, all pointing towards the center.

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