



# *Smart Building Innovation*

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*All Buildings Can Be  
Made Smarter*

- 1. Smart Buildings: How Is The Vision Changing?**
- 2. What Tech Innovations Are Enabling The Transition To Smarter Buildings?**
- 3. How To Smarten Up Existing Buildings?**

Over the past 10 years smart building developments have been designed to minimize environmental impact



Environmental  
Performance

# Energy efficiency has often been a central anchor to the vision of smart buildings



Environmental  
Performance

Energy  
Efficiency

# Today the focus is on balancing operational efficiency with occupant engagement



Environmental  
Performance

Energy  
Efficiency

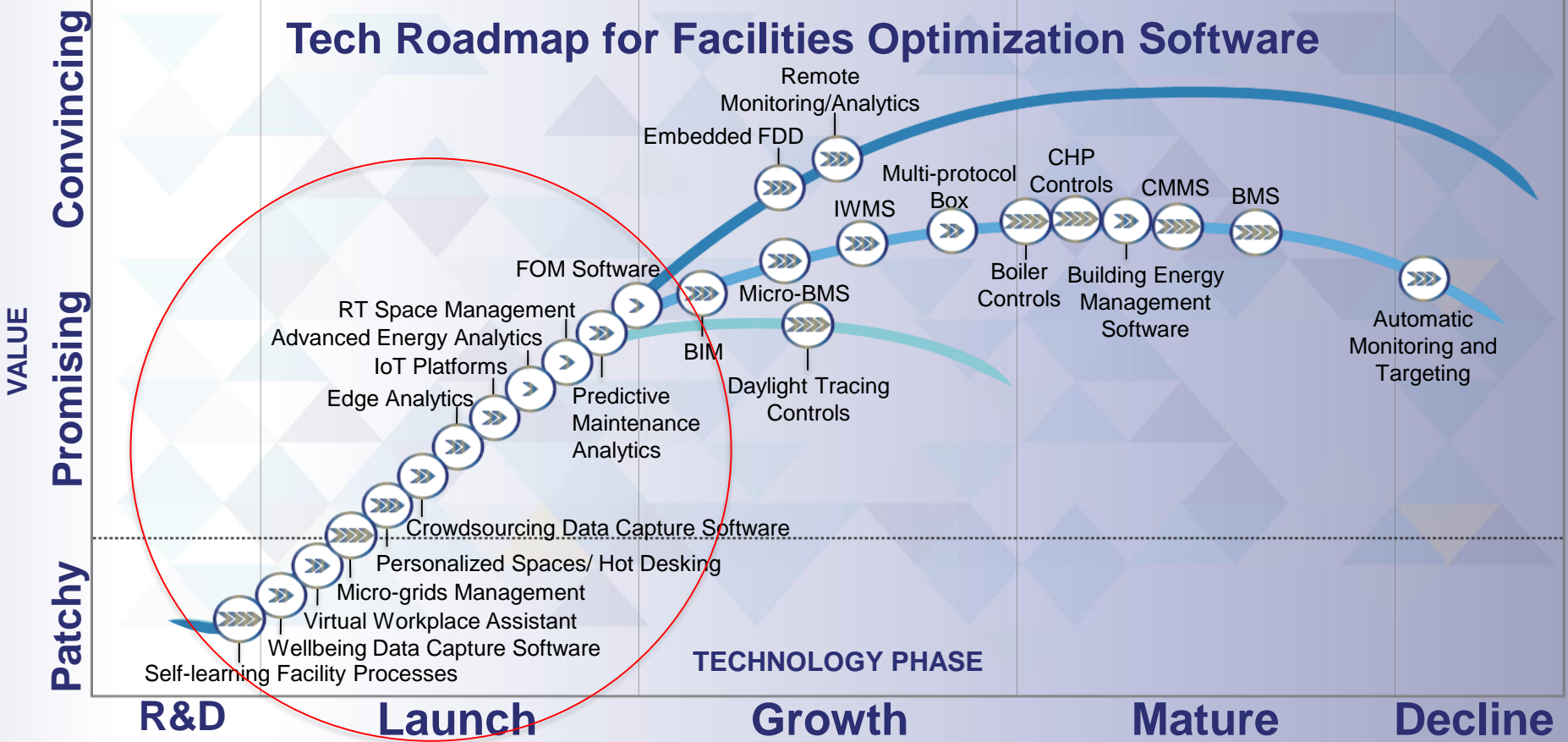
Occupant  
Engagement

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# Verdantix has conducted detailed research on technologies that optimize facilities



## Tech Roadmap for Facilities Optimization Software





**What technology does Verdantix expect to see in smart buildings in 2025? We have two main predictions!**



(Commercial building analysis)

# 1. Future smart buildings will contain more occupant facing technology



**Digital signage**



**Location-based services**



**Personal building controllers**



**Voice-based / AI assistants**



(Commercial building analysis)

## 2. More building management services will be delivered remotely in the future



Digital signage



Location-based services



Personal building controllers



Voice-based / AI assistants



(Commercial building analysis)

Cloud-BMS



New generation sensors



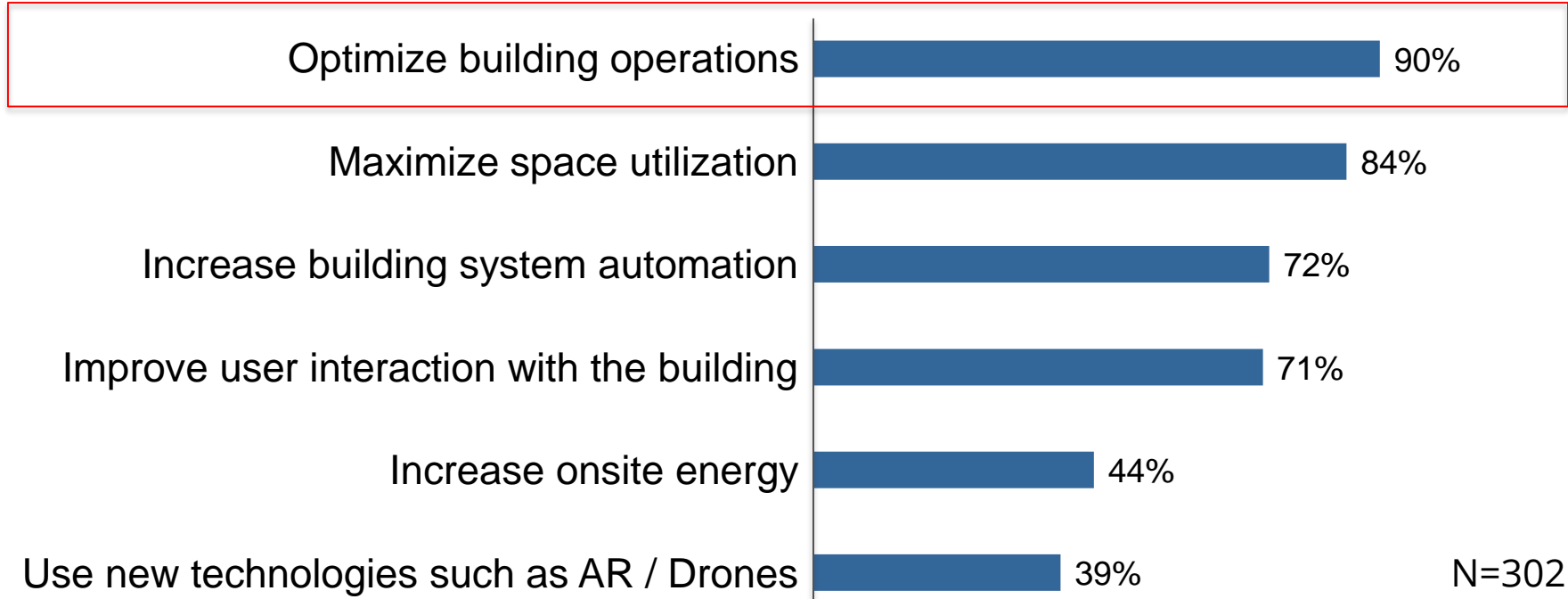
Solar-storage energy systems



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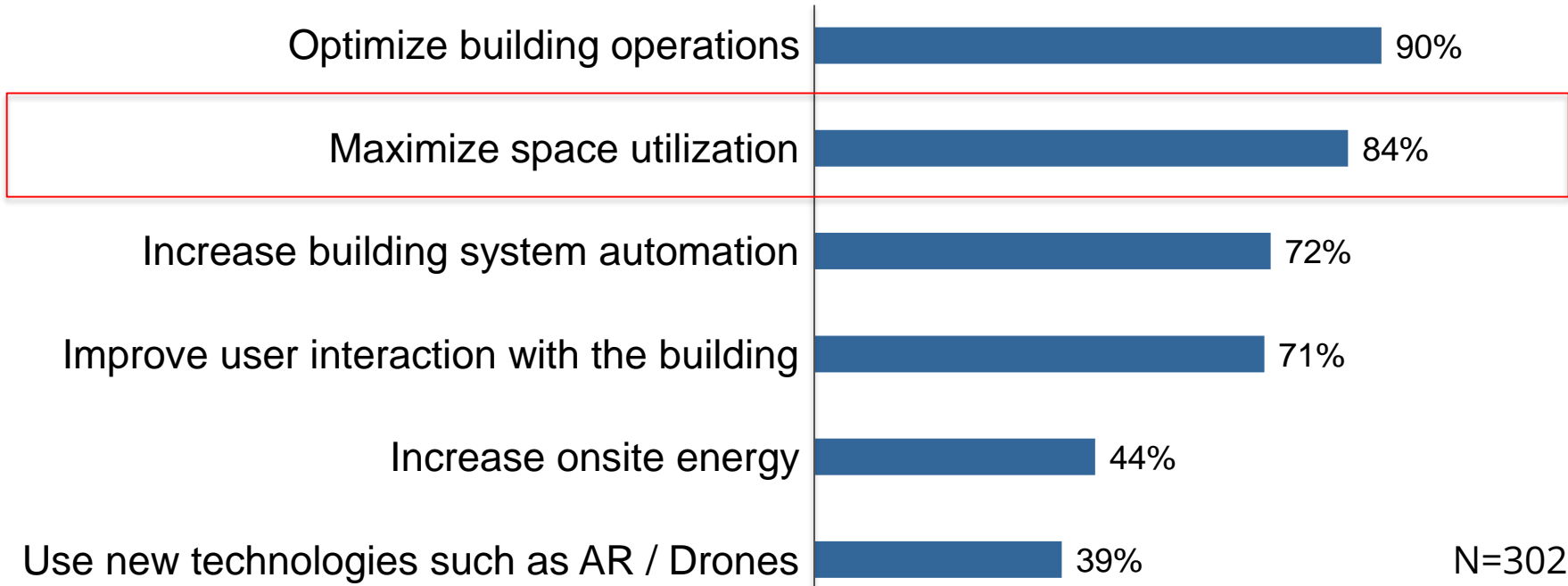
# Building occupiers are still focused on operational efficiency over the next three years

## Important factors shaping real estate strategies over the next three years



# Space utilization is also emerging as a top area for firms to optimize following years to high rent increases

## Important factors shaping real estate strategies over the next three years



#1

Maximize the operational insights from existing building data sets

#2

Bring the IoT to old buildings by exploring the business case for facility sensors

#3

Tap into emerging cost-effective solutions (e.g. employee-facing apps)



**Thank you!**

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