

An isometric illustration of a cityscape composed of various blue and white geometric blocks and buildings. Several stylized human figures, some wearing yellow hard hats and others in business attire, are positioned throughout the scene. Some figures are standing on flat surfaces, while others are on stairs or near archways. The overall style is clean and modern, using a limited color palette of blues, whites, and yellows.

THE STATE OF THE **AEC PROJECT LIFECYCLE**

A BST Global Report on Project and Resource Management for Architects and Engineers

GLOBAL BUSINESS SOFTWARE LEADER FOR ARCHITECTS, ENGINEERS, AND CONSULTANTS



47

Years developing software for the AEC industry

5

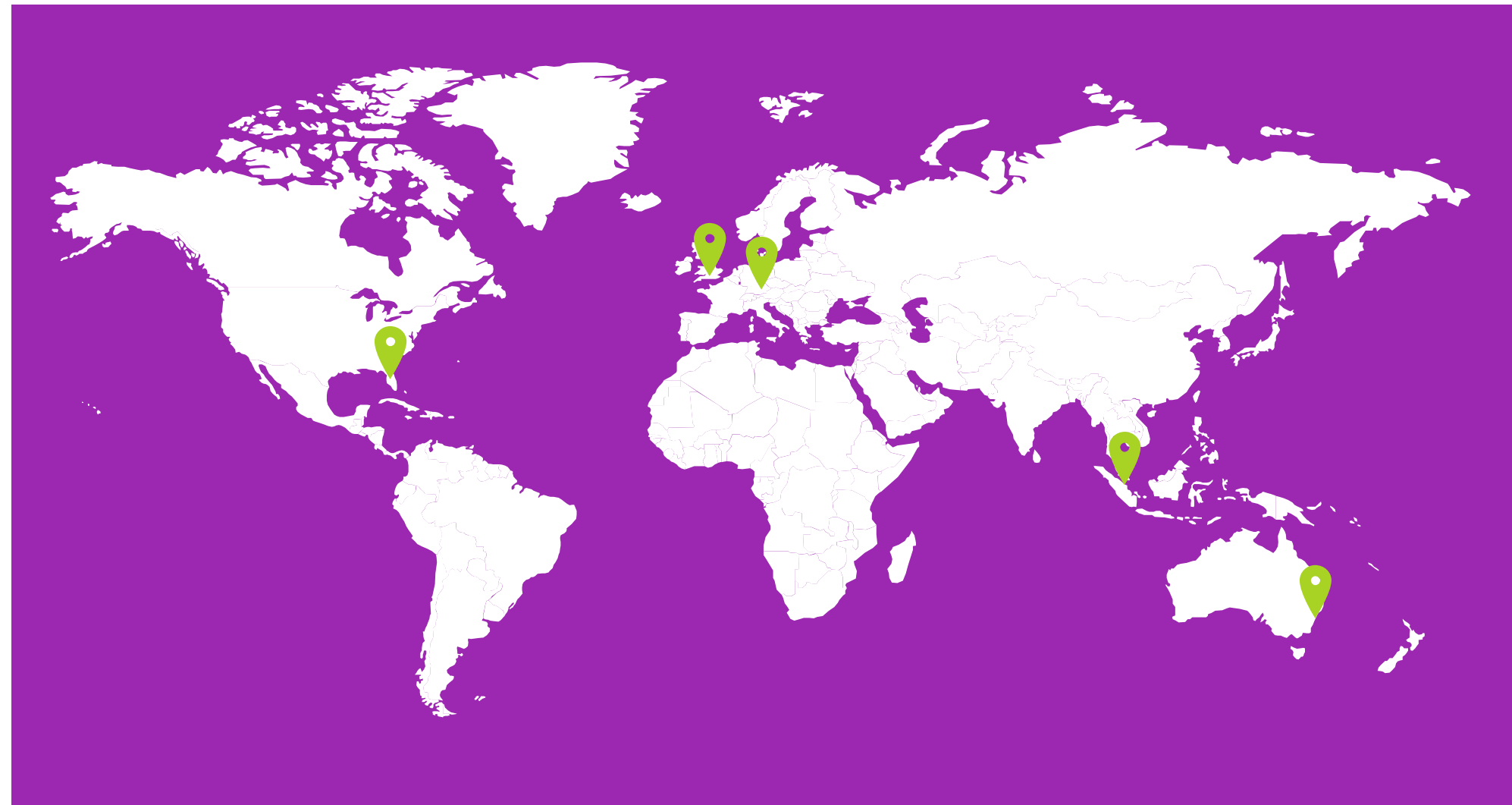
Global offices, follow the sun global support

65

Countries where BST solutions are leveraged

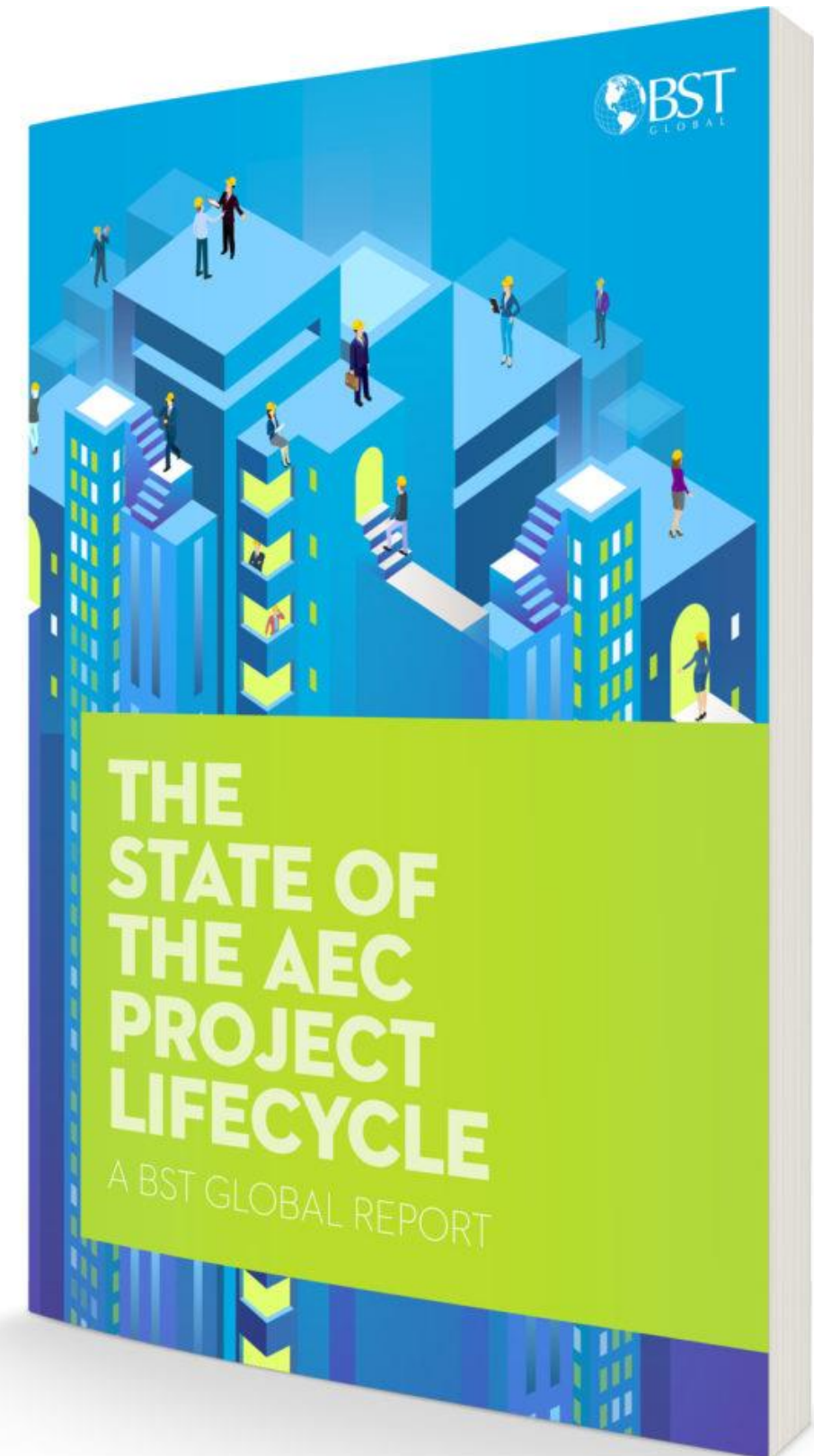
100,000+

BST users around the world



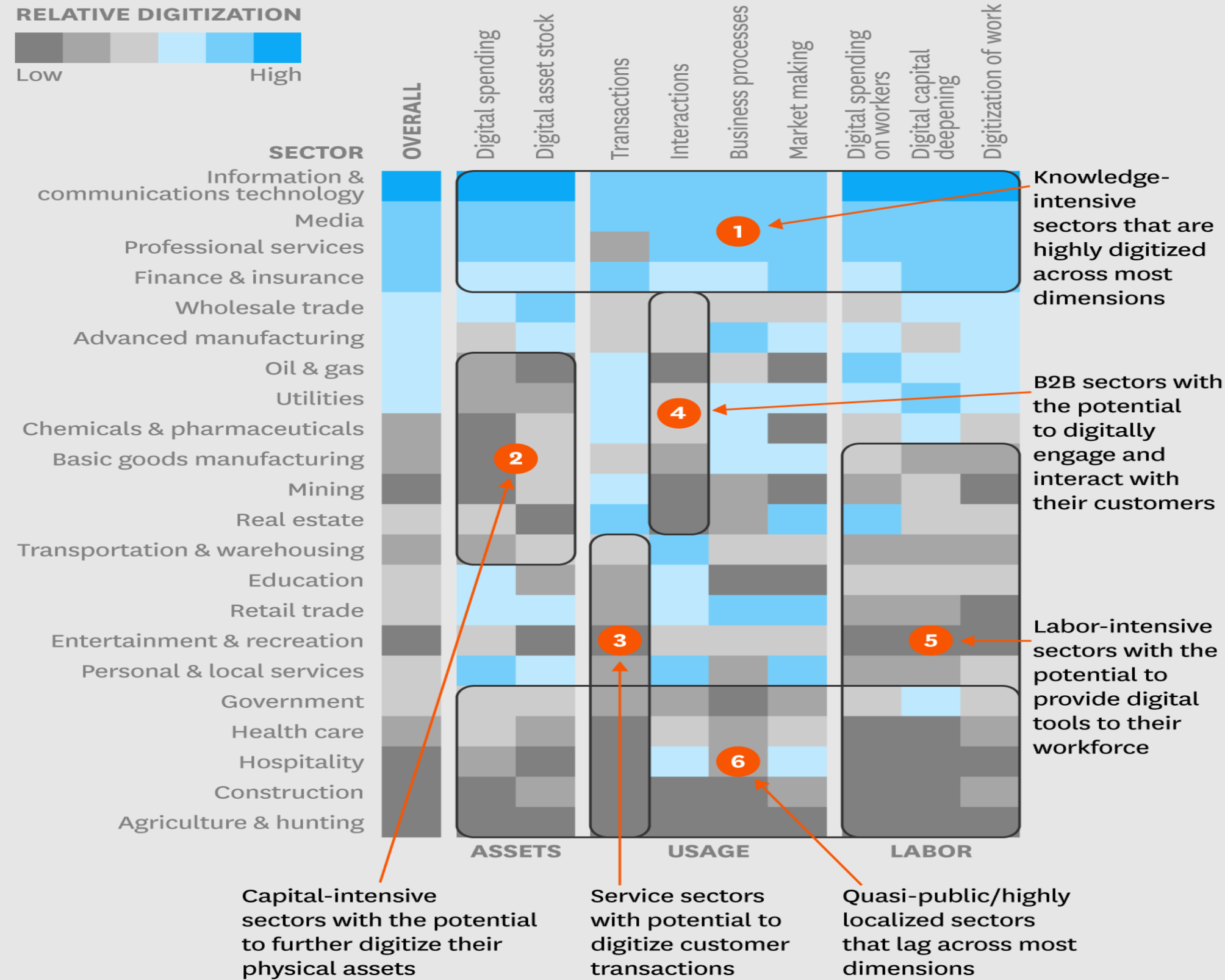
THE STATE OF THE AEC PROJECT LIFECYCLE REPORT:

- KEY PROJECT AND RESOURCING CHALLENGES
- AEC-SPECIFIC INDUSTRY BENCHMARKS
- TOP PRIORITIES FOR PROJECTS AND PEOPLE



How Digitally Advanced Is Your Industry?

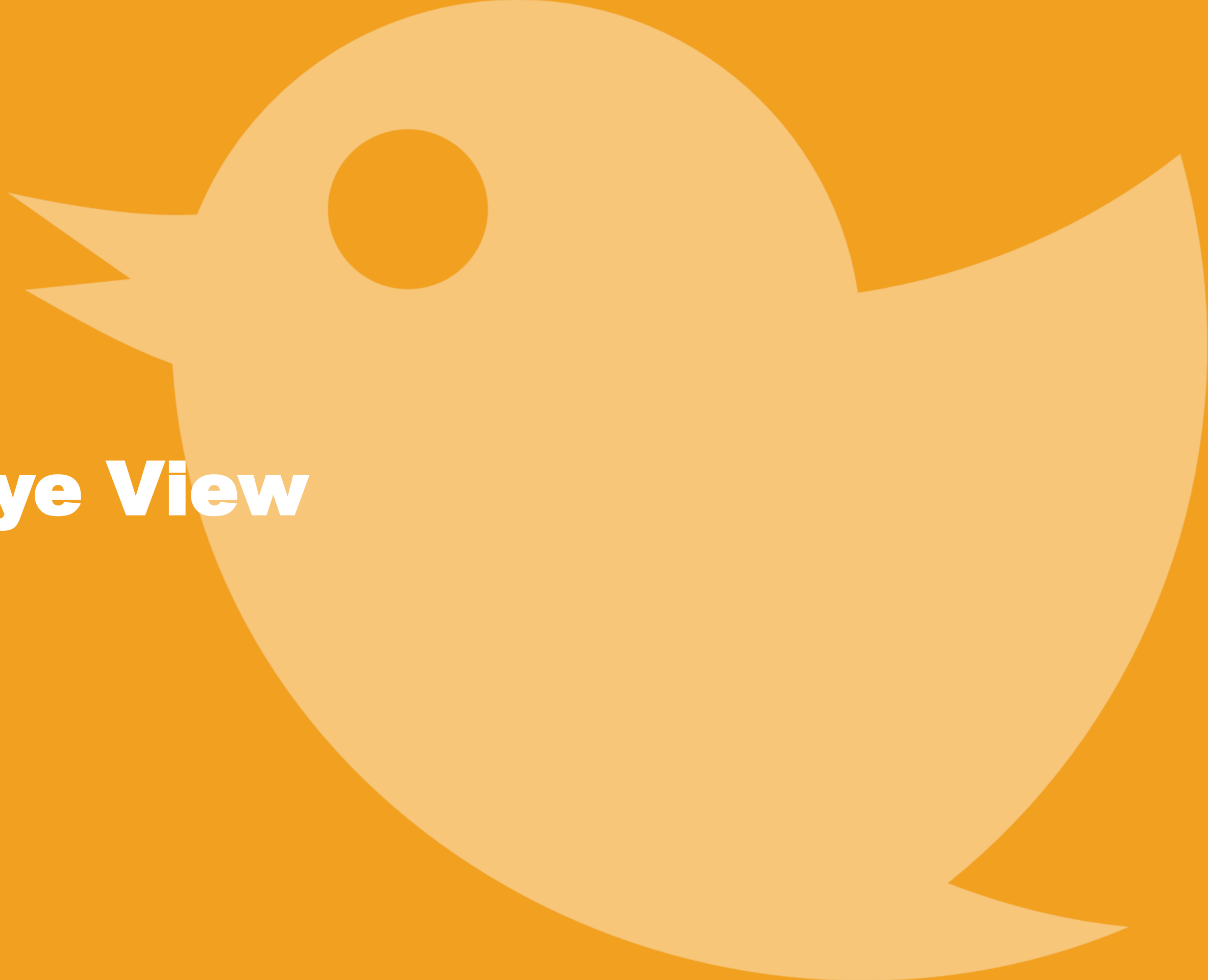
An analysis of digital assets, usage, and labor.



SOURCE DATA ANALYSIS AND EXPERT INTERVIEWS CONDUCTED BY THE MCKINSEY GLOBAL INSTITUTE
FROM "WHICH INDUSTRIES ARE THE MOST DIGITAL (AND WHY)?" BY PRASHANT GANDHI ET AL., APRIL 2016



A Bird's Eye View



KEY PROJECT LIFECYCLE PRIORITIES

- Reduce revenue leakage
- Increase client satisfaction
- Increase resource utilization
- Utilize standard delivery methodologies and best practices
- Reduce service delivery costs
- Reduce the number of systems used in service delivery

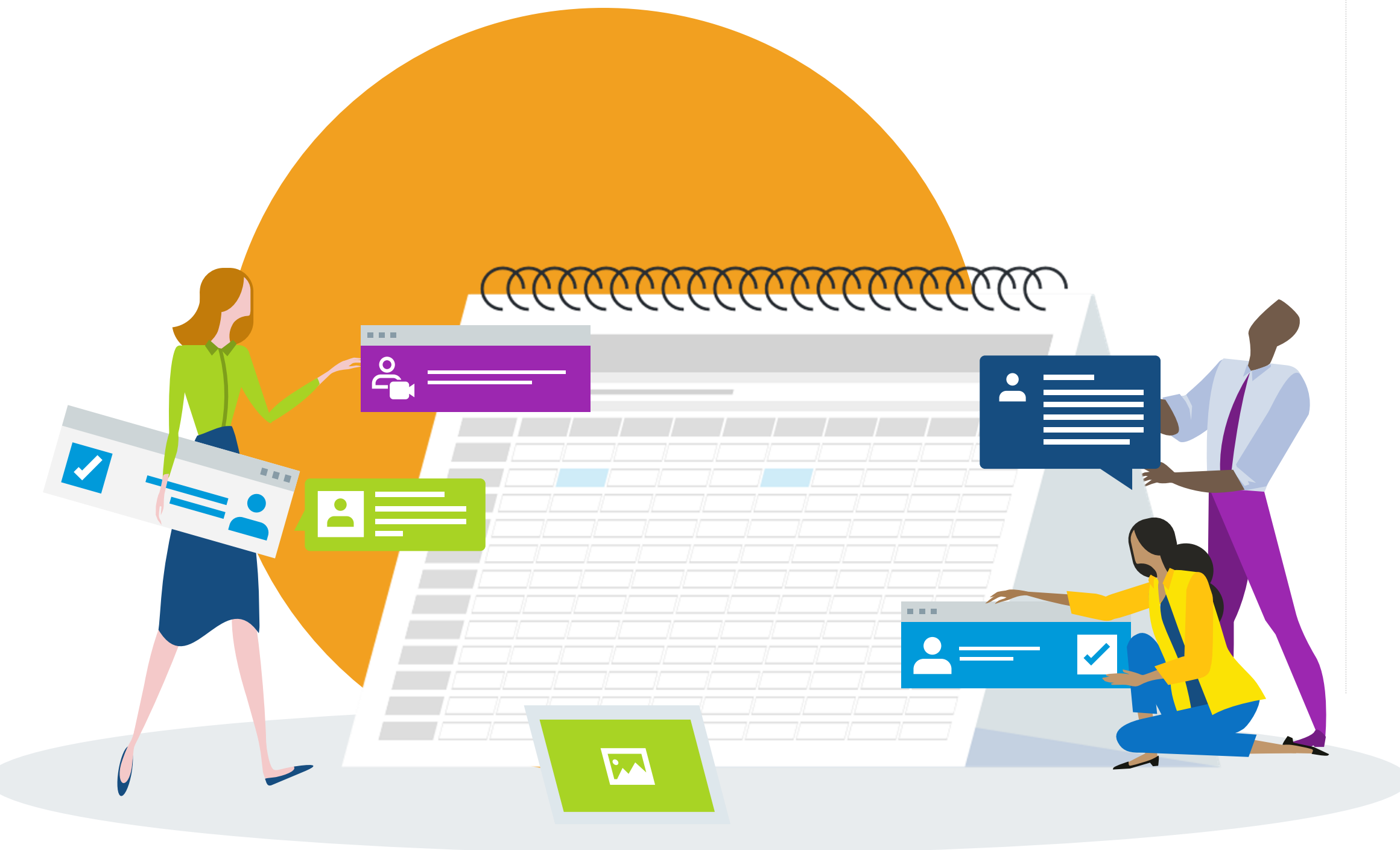


KEY PROJECT LIFECYCLE CHALLENGES



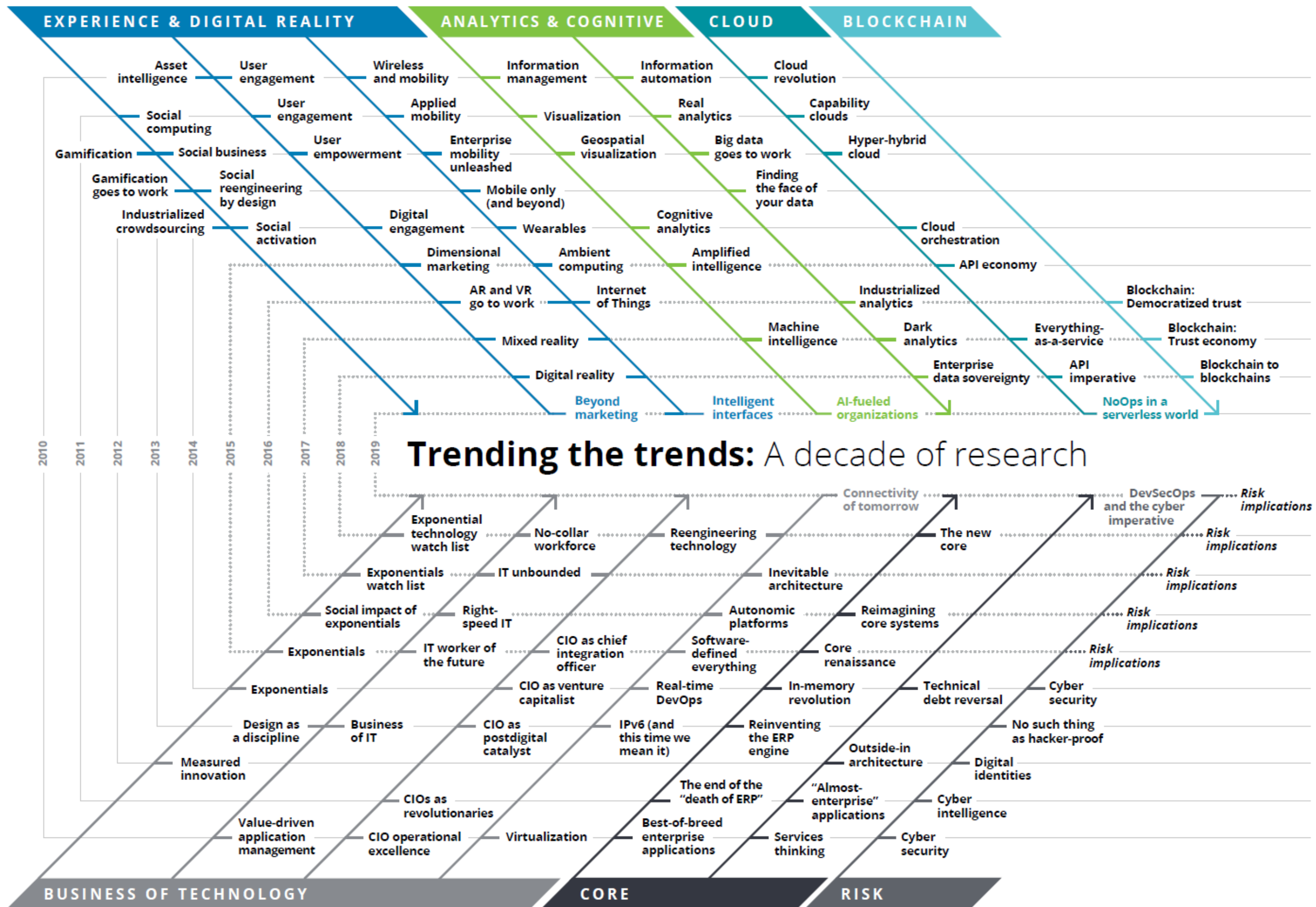
- Poor resource utilization
- Impaired project performance
- Lack of insight into earlier work
- Limited collaboration and access
- Poor scope and risk management





NEARLY
EVERYTHING IN THE
PROJECT
LIFECYCLE IS BEING
MANAGED IN
SPREADSHEETS:

- Bids
- Projects
- Resources



1. PROJECT BIDDING



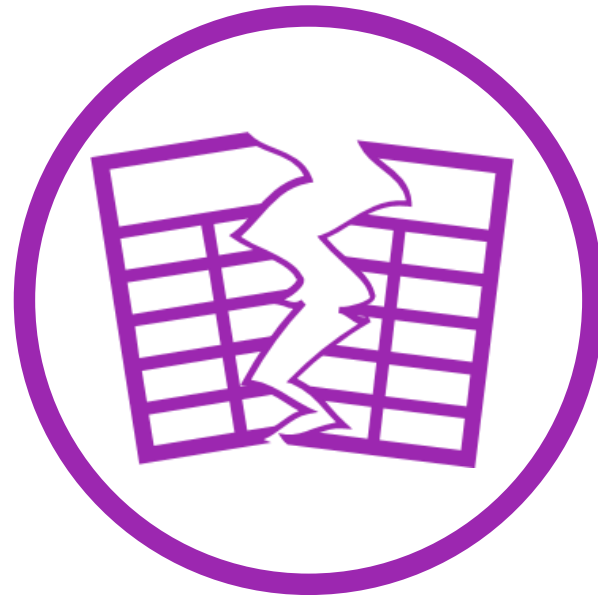
PORTFOLIO
MANAGEMENT

2. PROJECT
PLANNING

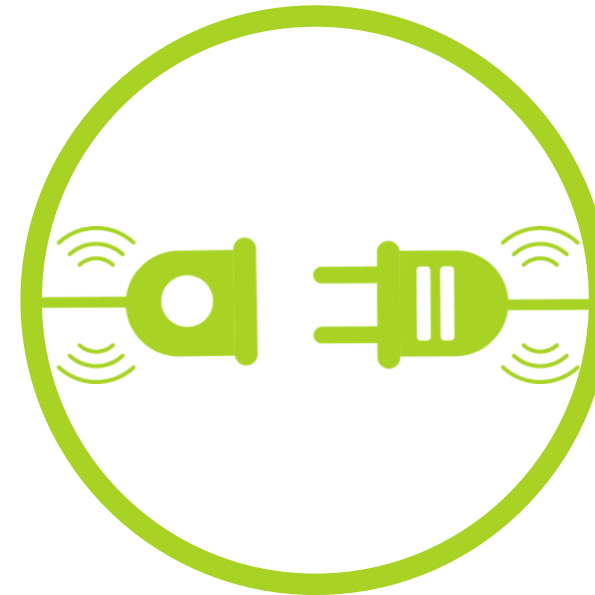
KEY CHALLENGES



LACK OF
STANDARDIZATION
IN TOOLS AND
RATES



RISK OF BROKEN OR
INCORRECT BIDS



BIDS AND DOCUMENT
STORAGE TOOLS
DISCONNECTED



MINIMAL
VISIBILITY INTO
CAPACITY AND
AVAILABILITY

2. PROJECT PLANNING



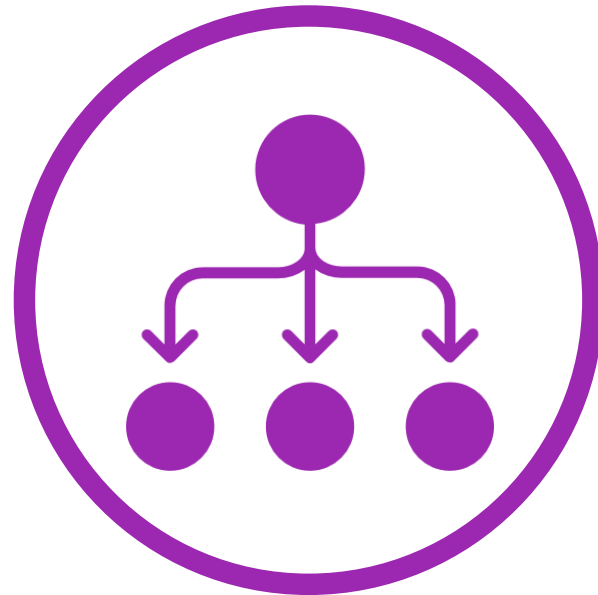
1. PROJECT
BUDGETING

3. PROJECT
EXECUTION

KEY CHALLENGES



MANUAL RE-ENTRY
OF ESTIMATE
DETAILS INTO A
SEPARATE PROJECT
SYSTEM



INCONSISTENCIES
BETWEEN DESIRED
PROJECT MANAGEMENT
WBS LEVELS



MINIMAL VISIBILITY INTO
RESOURCE AVAILABILITY
WHILE ASSEMBLING THE
PROJECT TEAM



PROJECT DATA AND
ASSOCIATED
RESOURCE
INFORMATION
STORED IN
SEPARATE,
DISCONNECTED
SYSTEMS

100%

REPORT RE-USING BID DATA TO INITIATE THE PROJECT



3. PROJECT EXECUTION



PROJECT
PLANNING

4. RESOURCE
MANAGEMENT

KEY CHALLENGES



STATUS UPDATES TYPICALLY
GATHERED BY PROJECT
MANAGER FROM TEAM
MEMBERS VERBALLY



MANUAL PROJECT REPORTING
PROCESSES RESULTS IN
DELAYED PROJECT
ESCALATION INDICATORS



DOCUMENT STORAGE TOOLS
ARE TYPICALLY
DISCONNECTED FROM THE
PROJECT PLAN



4. RESOURCE MANAGEMENT



PROJECT
CUTION

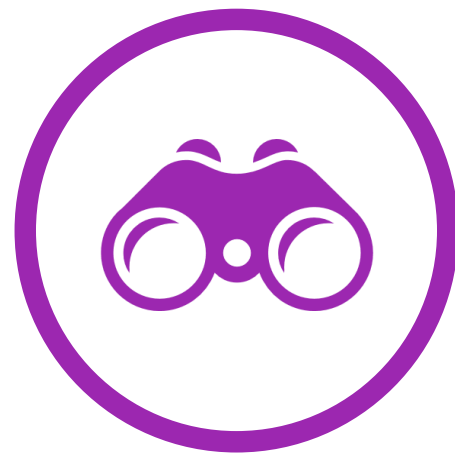
MANAGE
PORTFOLIO



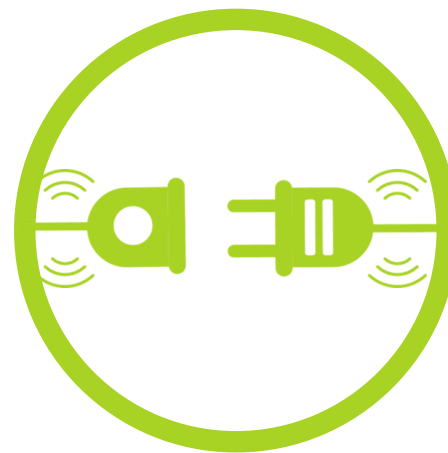
KEY CHALLENGES



RESOURCE
MANAGERS
TYPICALLY
RECEIVE
OUTDATED
REPORTS OF
UPCOMING TEAM
COMMITMENTS



TEAM MEMBERS
HAVE LITTLE
VISIBILITY INTO
UPCOMING
ASSIGNMENTS
AND ASSOCIATED
CHANGES



DISCONNECTED
RESOURCE
MANAGEMENT
AND PROJECT
MANAGEMENT
TOOLS



FUTURE DEMAND
FROM SOFT
BACKLOG IS NOT
ACCESSIBLE TO
THE RESOURCE
TEAM MANAGER



VERBAL, OFFLINE
PROCESS FOR
TEAM MEMBERS
TO EXPRESS
INTEREST IN
UPCOMING
PROJECTS

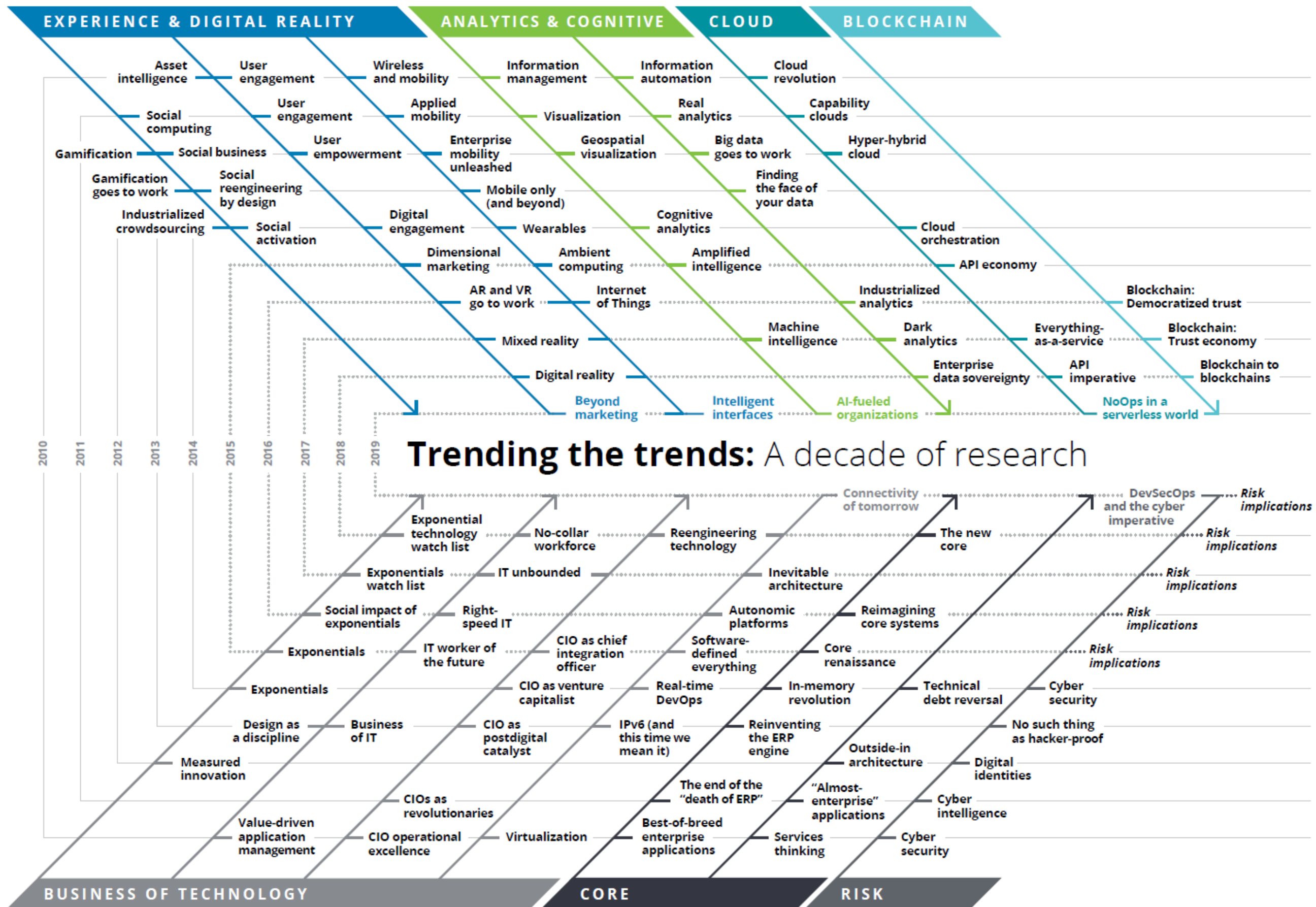


LESS THAN
15%
OF
RESPONDENTS
USE ONLINE
COLLABORATION
TOOLS.





CLOSING THOUGHTS

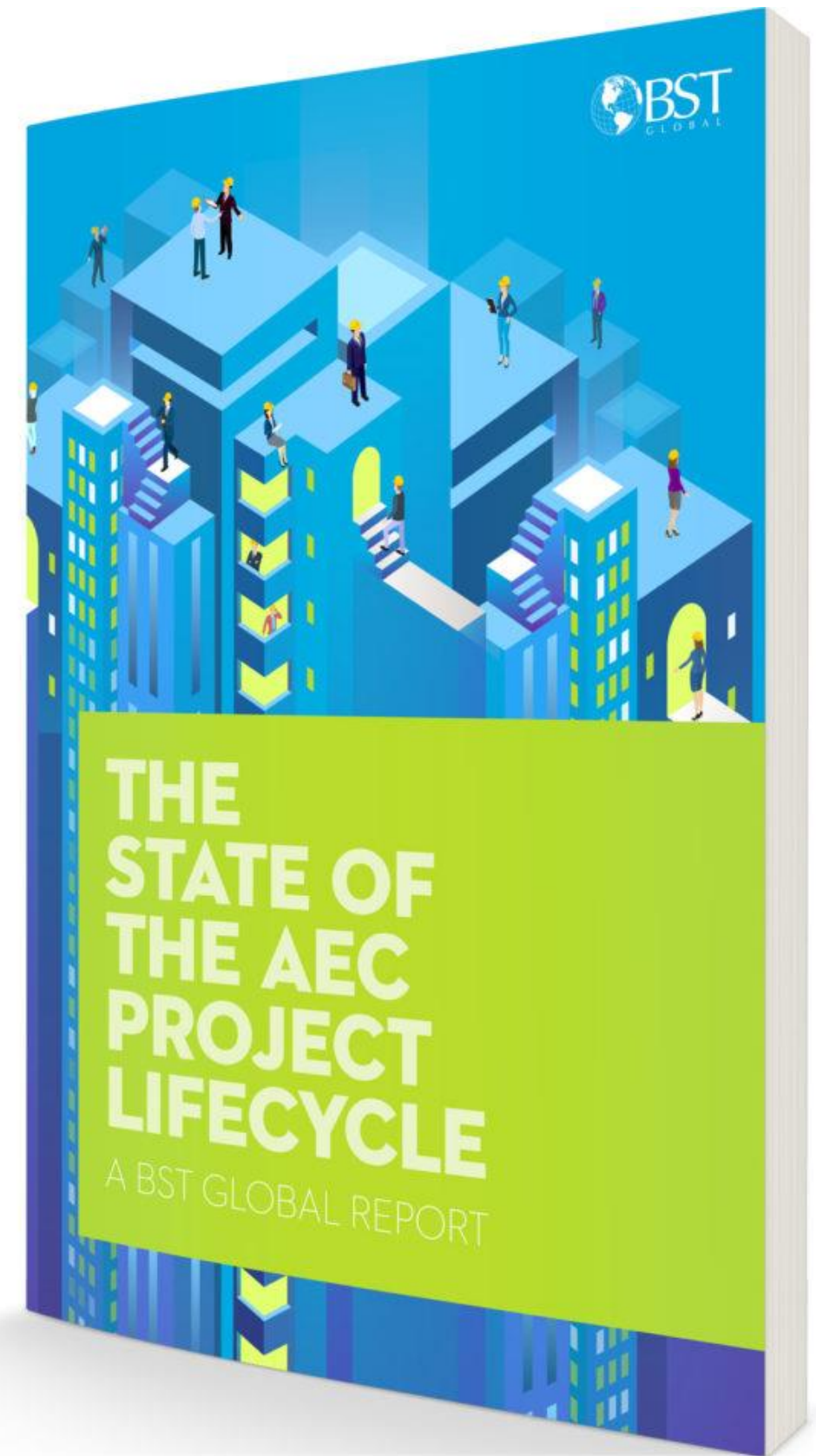


1. REDUCED REVENUE LEAKAGE
2. INCREASED CLIENT SATISFACTION
3. INCREASED RESOURCE UTILIZATION
4. REDUCED ERRORS THROUGH STANDARD DELIVERY METHODOLOGIES AND BEST PRACTICES
5. REDUCED SERVICE DELIVERY COSTS
6. REDUCED NUMBER OF SYSTEMS USED IN SERVICE DELIVERY



THE STATE OF THE AEC PROJECT LIFECYCLE REPORT

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