

15 - 16 November, Wembley Stadium, UK

Business Intelligence and Project Controls: How to make dashboards & reports work better for you



Meet the team



Adam Kingsbury
Technical Director

Technical Director

Leading the Integrated Project controls Digital Taskforce Workstream

Experience in various industries, including civil construction, oil & gas and power generation



Jason Richards
Senior Consultant

Senior Consultant

Power BI Subject Matter Expert

Experience utilising Power BI & Power Automate to deliver key business insights and provide automated reporting solutions

Who are LogiKal

- Founded 2002

★ *20 Year Anniversary* ★

- Award winning consultancy



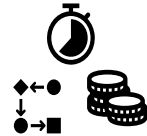
LogiKal helps develop teams, optimise processes, and implement disruptive digital technologies that enable the successful delivery of projects.

Digital taskforce

“LogiKal recognises that Digital Technologies and Systems will power the next wave of investment within the construction industry. In 2021 we formalised the Digital Taskforce to invest in our methodologies and services to ensure we remain at the forefront of thinking within the industry”



BIM & Information Management



Integrated Project Controls Solutions

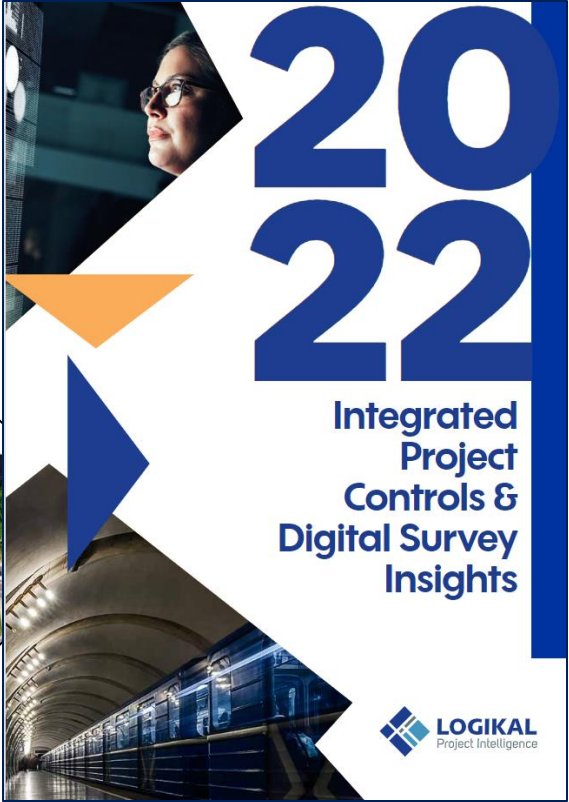


Data Analytics and Business Intelligence



Digital Capability and Training

Project Controls & Digital Insights Survey Report





Agenda

- 01** Business Intelligence – definition & benefits

- 02** Challenges of BI

- 03** Adoption Stage

- 04** Centre of Excellence

Business Intelligence



Business intelligence (BI) leverages software and services to transform data into actionable insights that inform an organization's business decisions.

Business Intelligence

BE LIKE A DUCK :

Above the surface...
LOOK COMPOSED AND UNRUFFLED



Below the surface **PADDLE LIKE HELL!**



Data Connectors



Data Warehouse



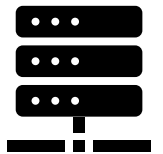
Gateways & APIs



Data Dictionaries
& Metadata



Data Lake



Internal and External
Data Sources

Benefits

Projects that spend more time analysing their data rather than just gathering it are **1.4x more likely to succeed**

**20 gathering
vs 80 analysing**

74% Success

2022

**80 gathering
vs 20 analysing**

52% Success

2022

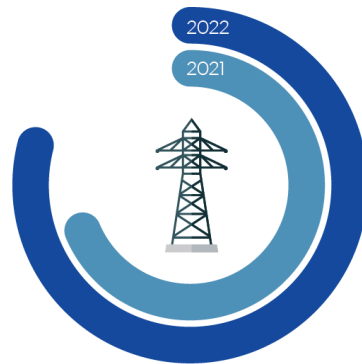
Year on year BI Adoption Rates:



Mining
1.85x



**Commercial /
Residential Retail**
1.4x



**Civil
Infrastructure**
1.15x

In 2019, **64%** of users reported that BI data and analytics helped improve their efficiency and productivity.

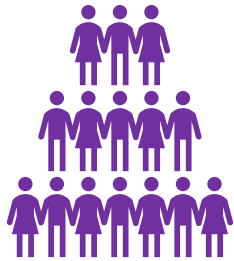
Meanwhile, **56%** believe it has allowed them to make more effective decisions faster.
(MicroStrategy, 2019)

Case Studies

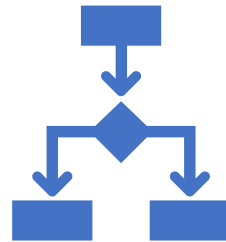
Key Outcomes:

100

Improved
Stakeholder
Confidence



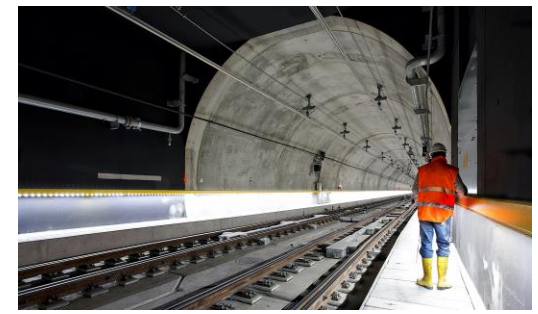
Wider
audience
reach



Data-driven
decision
making



Increased
Productivity



London Power Tunnels

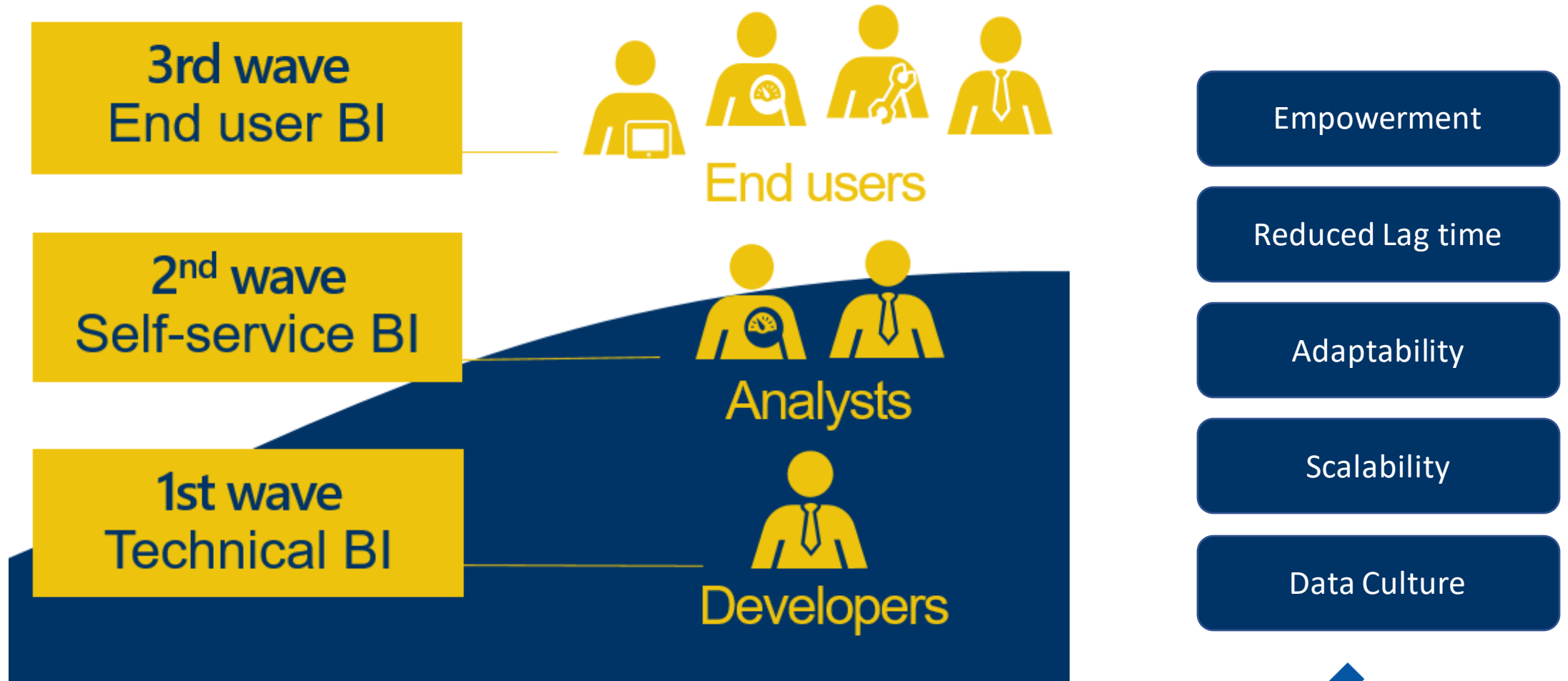


HS2 - EKFB



MTR – Hong Kong

Advancements in BI



Power BI

Power BI Market Share

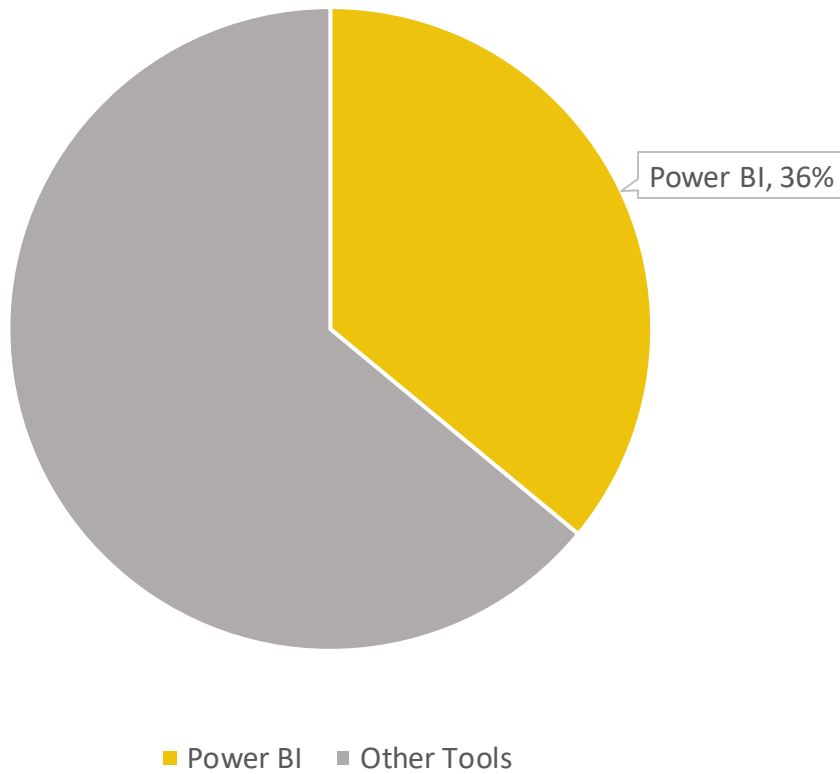


Figure 1. Magic Quadrant for Analytics and Business Intelligence Platforms



Source: Gartner (February 2020)

As of January 2020 © Gartner, Inc

Challenges

Clear BI Strategy



Exec Sponsor



Compliance, Security,
Governance



Clear BI scenarios

Addressing Technical Issues



Data Quality



Infrastructure



Product Gaps

Plan



User Community Profile



Adoption Plan



Centre of Excellence

Common challenges our clients face

"Responsible owners not identified to take ownership of dashboards for long term promotion and maintenance"

"Desired metrics unachievable as not supported by available datasets"

"Datasets don't fit together due to differing perspectives/levels of detail"

"Adoption has been low as nobody knows how to access the reports / I don't know how to interpret the data"

"Dashboards too detailed/not detailed enough – Target audiences not considered"

"Dashboards rejected as users can't update/tweak values"

Challenges

Clear BI Strategy



Exec Sponsor



Compliance, Security,
Governance



Clear BI scenarios

Addressing Technical Issues



Data Quality



Infrastructure



Product Gaps

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User Community Profile



Adoption Plan



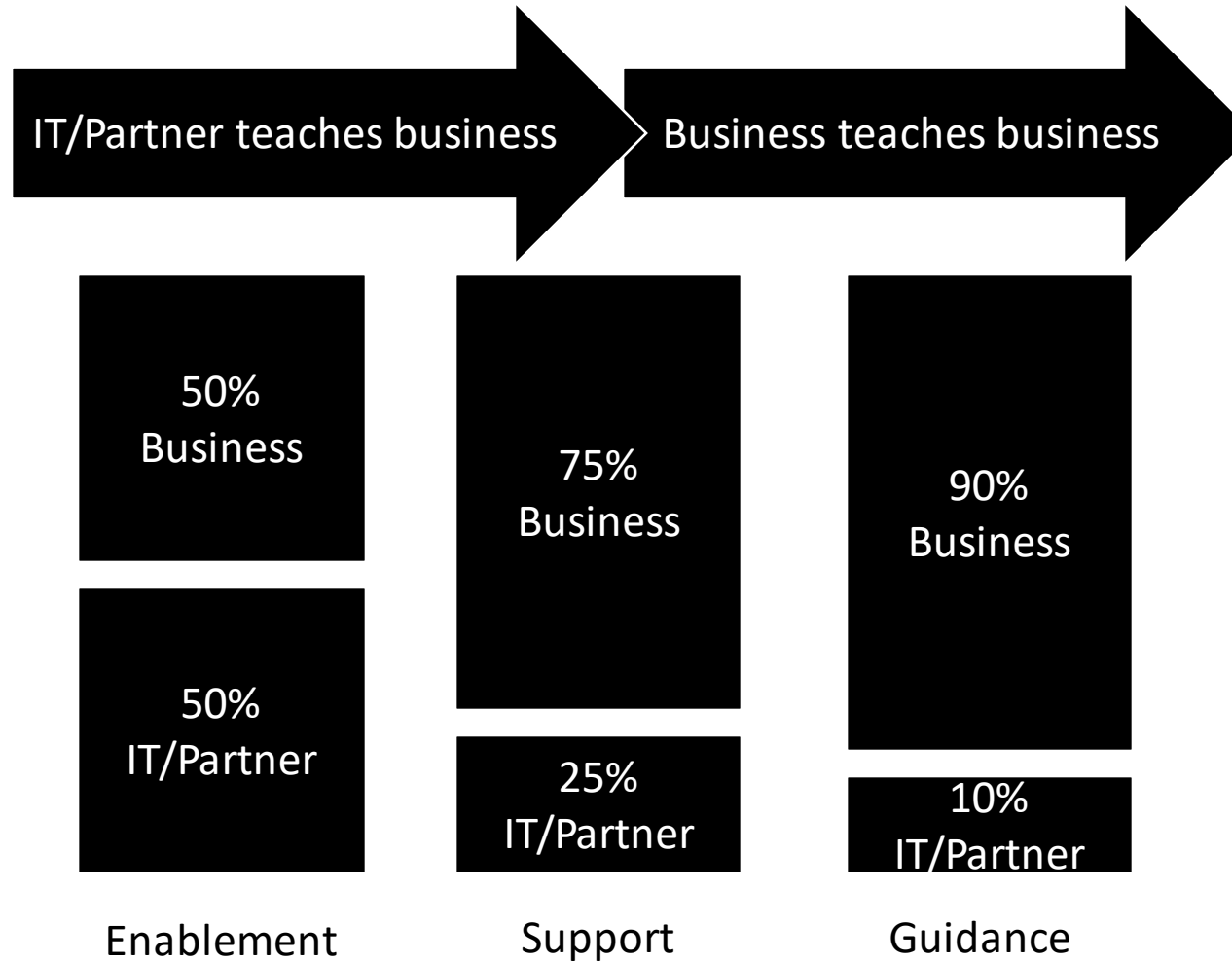
Centre of Excellence

Adoption Roadmap

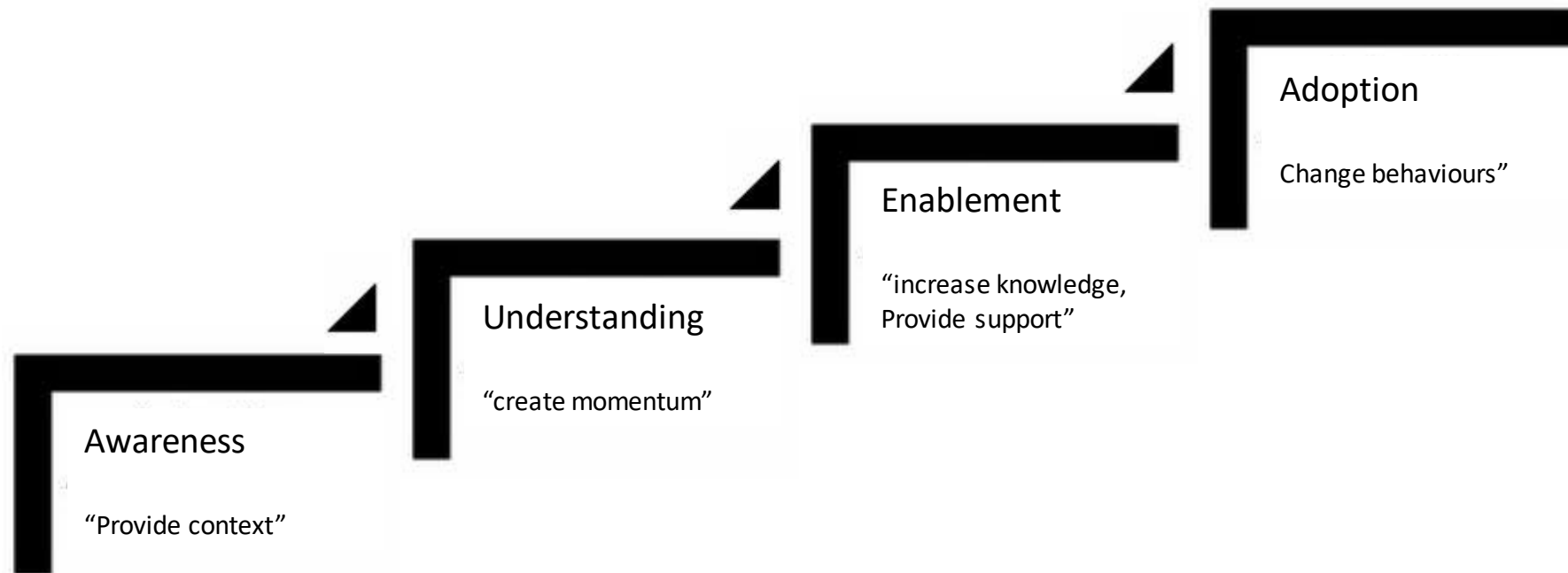


Image source: [1.1 Power BI Adoption - What is the Series about.pptx \(live.com\)](#)

3 Stages of Adoption (For Business)



4 Stages of Adoption (For Users)



Centre of Excellence Concept

Plan



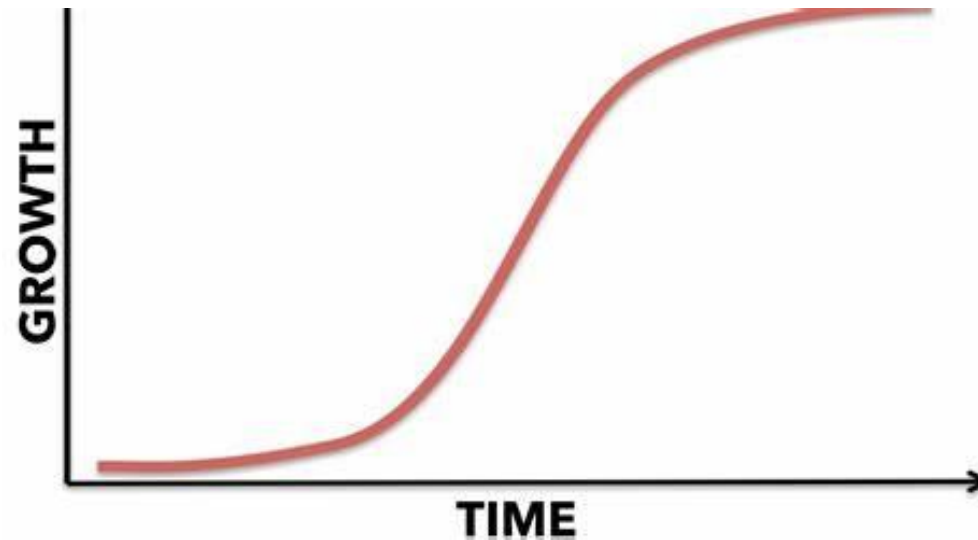
User Community Profile



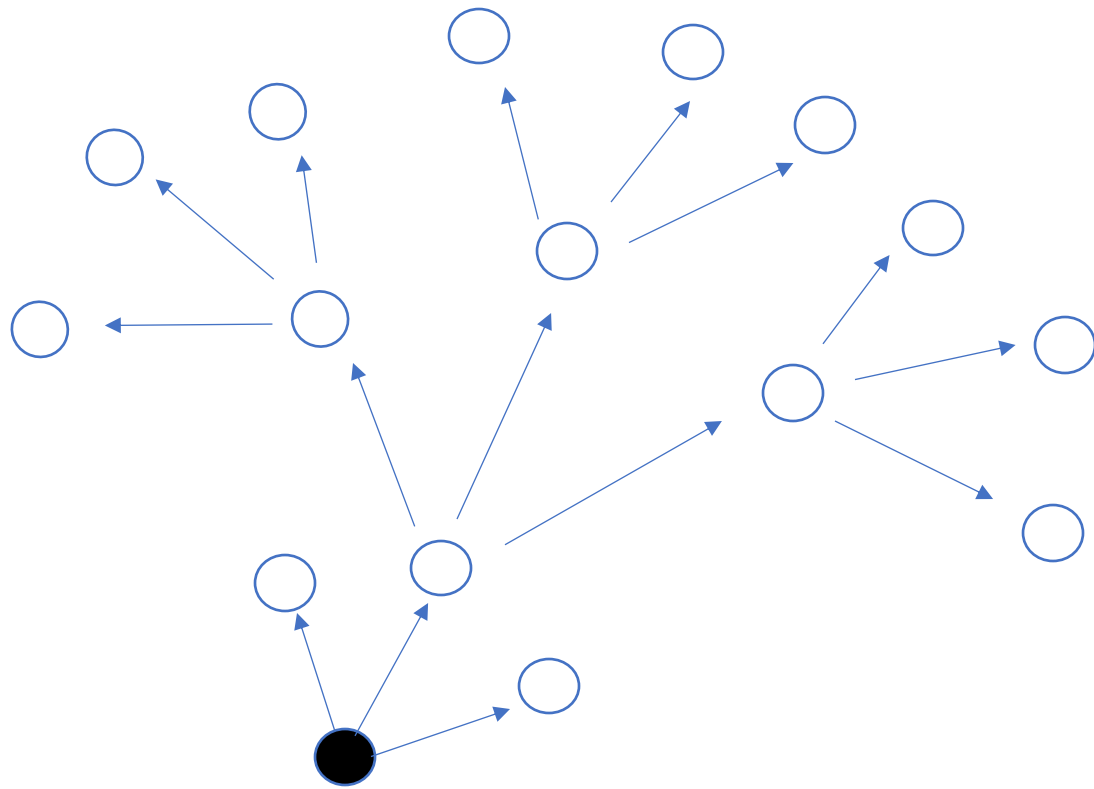
Adoption Plan



Centre of Excellence

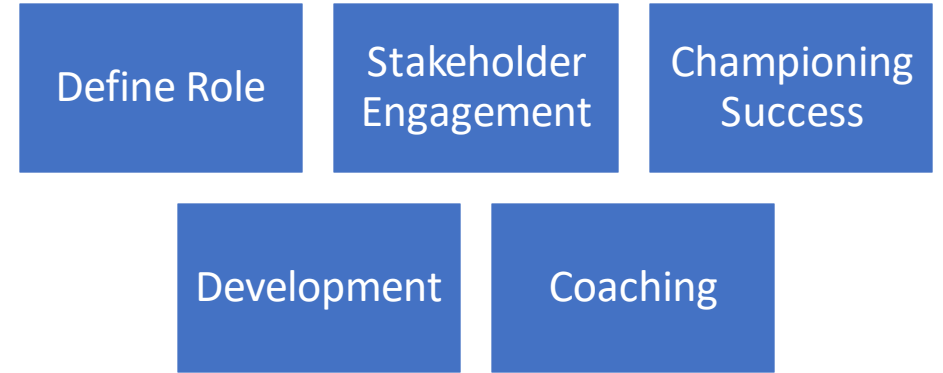


Centre of Excellence Concept

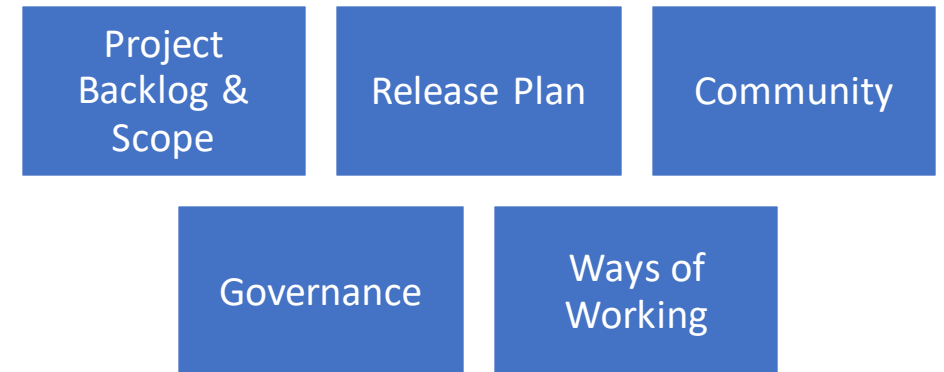


Power BI Champion

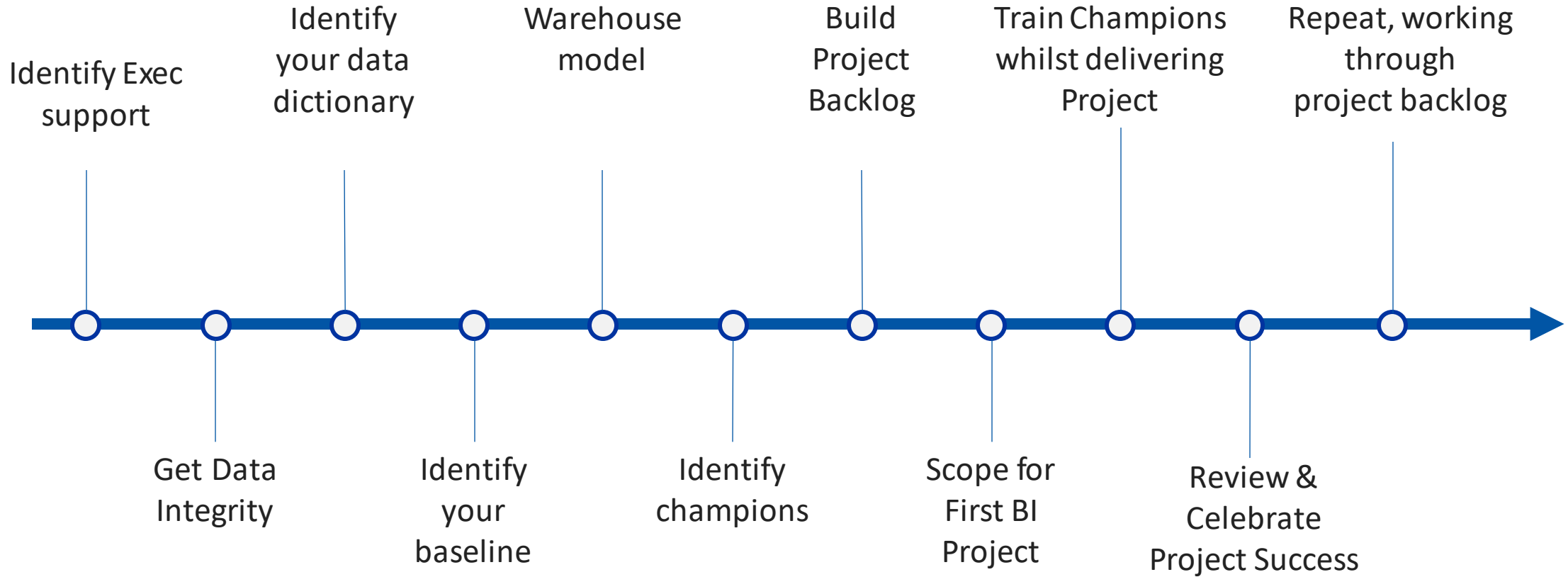
Journey:



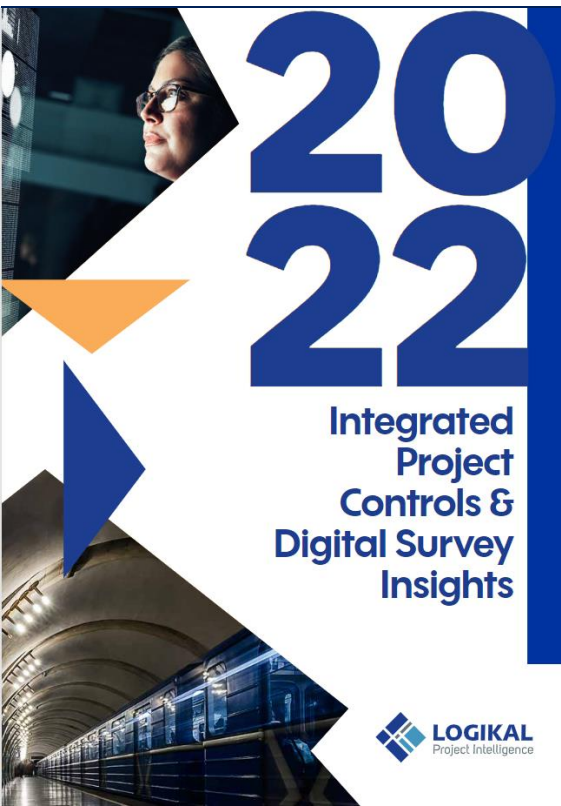
Deliverables:




Journey to Self-Service (start with data management fundamentals)



Questions



2022
Integrated
Project
Controls &
Digital Survey
Insights



LOGIKAL
Project Intelligence

The banner features a woman's profile on the left, a large '2022' in the center, and the text 'Integrated Project Controls & Digital Survey Insights' below it. The Logikal Project Intelligence logo is at the bottom right. The background includes a blue and orange triangle and a photograph of a subway tunnel.



Visit us at the Logikal Expo Stand

Appendix

[Interactive Cost Reporting in Construction Projects | Logikal
\(logikalprojects.com\)](#)

[Data Analytics in the Construction Industry | Logikal Blog
\(logikalprojects.com\)](#)

[Power BI Adoption Framework](#)