Data First Strategy to enable AI project prediction [in construction]

greyfly.ai

CEO, greyfly.ai

25+ years in project delivery and support

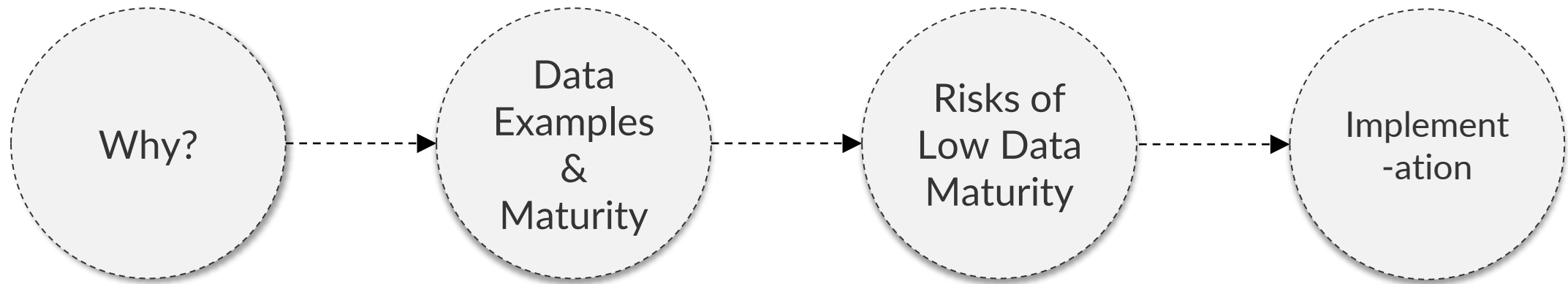Operated in multiple business sectors

Full life-cycle £m's transformation with building and technology at the heart

3 years running Greyfly developing solutions to apply AI in project management

Lloyd J. Skinner

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A Data Strategy enables the benefits associated with AI in Project Management

Data First Strategy

Move from low to high level data maturity

Data Maturity Definition

A measurement of how advanced a company's data analysis is.

- High level data maturity = data woven deeply into the fabric of an organization
- Data is incorporated in every decision that an organization makes.

Why?

The Need

Risk management or future planning.

Inform current or future projects.

AI Success

Gartner #1 Reason hindering AI success.

AI needs mature, wide-ranging, accurate data.

Benefits

Identify risks

Enhance decision making
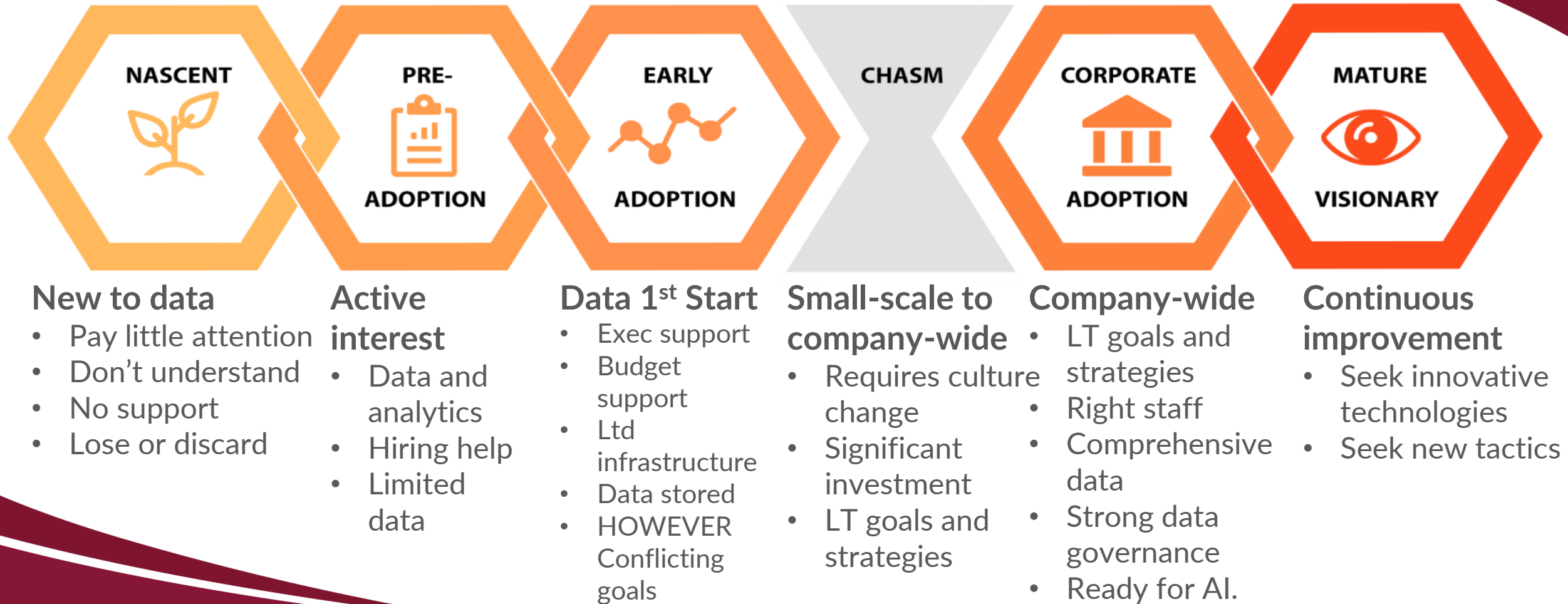
Resource scheduling

Reduce schedules

Reduce costs

Commercial opportunity?

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Data Examples – data required for project success?

AI Use	Relevant Data
Project completion estimates	Time logs from previous and current projects
Budgeting	Business budgets and actual costs
Project resources	Effort required to deliver projects
Suppliers?	
Benefits?	
Monitoring? Etc	

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Data Maturity – a company's relationship with data

NASCENT	PRE-ADOPTION	EARLY ADOPTION	CHASM	CORPORATE ADOPTION	MATURE VISIONARY

New to data
- Pay little attention
- Don't understand
- No support
- Lose or discard

Active interest
- Data and analytics
- Hiring help
- Limited data

Data 1st Start
- Exec support
- Budget support
- Ltd infrastructure
- Data stored
- HOWEVER Conflicting goals

Small-scale to company-wide
- Requires culture change
- Significant investment
- LT goals and strategies

Company-wide
- LT goals and strategies
- Right staff
- Comprehensive data
- Strong data governance
- Ready for AI.

Continuous improvement
- Seek innovative technologies
- Seek new tactics

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Risks of Low Data Maturity

Financial loss and reduced

- [Gartner](#)'s estimates average of $15m pa
- Inefficiencies, teams repeating the same tasks
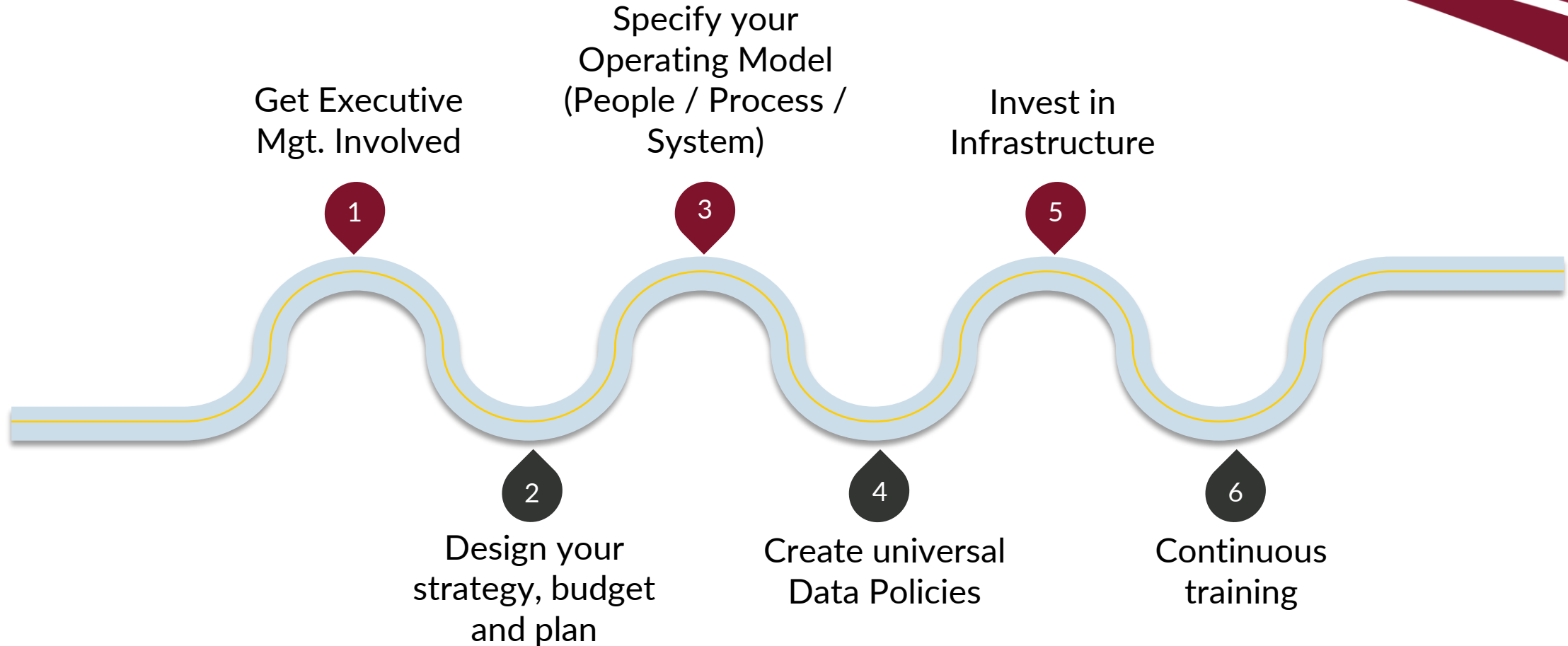- Costly and time consuming

Poor Choices

- Biased, incorrect, or incomplete data leads to bad results.
- Inaccurate project estimates, under budgeting, or ignoring potential risks.

Inappropriate Security

- Don't understand your data, you won't know the best ways to look after it.
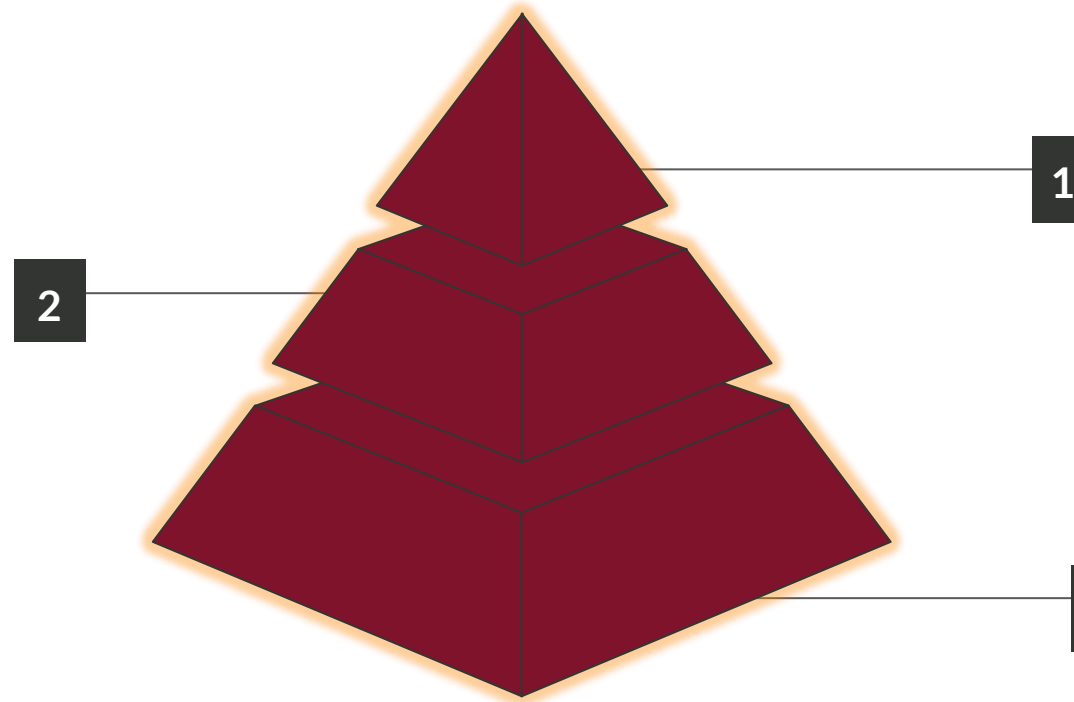- Sensitive information not easy-accessible with inappropriate security

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Implementing a Data 1st Strategy – it's a change programme!

Get Executive
Mgt. Involved

1

Specify your
Operating Model
(People / Process /
System)

3

Invest in
Infrastructure

5

2

Design your
strategy, budget
and plan

4

Create universal
Data Policies

6

Continuous
training

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Conclusion

Data 1st Strategy
Without a Data First strategy, you risk your projects, through poor decision making or sheer inefficiency.

2

1

Improve Data Maturity
Create the environment for AI - and your business - to thrive

3

Data Data Data
AI can help Project Management. However, it's not just AI - it's also about data.

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Q & A

https://greyfly.ai/resources/implementing-a-data-first-strategy/

THANK YOU

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