

# **AI IMPLEMENTATION DECISION FRAMEWORK**

**For non-technical decision-makers**



# BEFORE YOU IMPLEMENT AI

Identify the Primary Business Objective - What is the main outcome you want to achieve?

- A. Reduce manual document and content workload
- B. Improve decision quality using data insights
- C. Automate repetitive operational processes
- D. Improve forecasting and predictive accuracy

**Select the option that best describes your objective.**

# IS AI JUSTIFIED IN THIS CASE?

All conditions must be met:

- The task is repetitive and time-consuming
- Output format is consistent and definable
- Human review is available before external use
- Errors will not create legal or compliance risk

Not all conditions met

All conditions met



## All conditions must be met

Before using AI your processes should be clearly defined. redesign workflow before AI deployment

# IS AI JUSTIFIED IN THIS CASE?

All conditions must be met:

- Historical data is available and structured
- Decision outcomes are measurable
- The process is not purely judgment-based
- Accountability remains assigned to a human role

Not all conditions met

All conditions met

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## All conditions must be met

Improve data foundation first

# IS AI JUSTIFIED IN THIS CASE?

All conditions must be met:

- The process is rule-based or pattern-driven
- Exceptions are limited and documented
- Error impact is manageable
- System monitoring can be implemented

Not all conditions met

All conditions met

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## All conditions must be met

Optimize process before automation

# IS AI JUSTIFIED IN THIS CASE?

All conditions must be met:

- Reliable historical data exists
- Forecast performance can be evaluated
- Prediction errors are tolerable within defined thresholds
- Regulatory explainability requirements are understood

Not all conditions met

All conditions met

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## All conditions must be met

Validate data readiness first

# RECOMMENDED APPROACH

Primary solution: Generative AI with structured human review

Consider:

- Prompt standardization
- Output templates
- Restricted data input
- Mandatory human approval before release

Avoid:

- Fully autonomous publishing
- Use in legally binding communication without review

[Continue to Risk & Governance Check](#)

# RECOMMENDED APPROACH

Primary solution: Generative AI with structured human review

Consider:

- Structured data preprocessing
- Model explainability
- Clear decision ownership
- Bias monitoring

Avoid:

- Fully automated decision authority
- Black-box models in regulated contexts

[Continue to Risk & Governance Check](#)

# RECOMMENDED APPROACH

Primary solution: Generative AI with structured human review

Consider:

- Workflow mapping
- Exception handling design
- Monitoring dashboard
- Escalation protocol

Avoid:

- Automation without fallback process
- Removing human oversight in critical steps

[Continue to Risk & Governance Check](#)

# RECOMMENDED APPROACH

Primary solution: Generative AI with structured human review

Consider:

- Validation dataset
- Error thresholds
- Periodic retraining plan
- Explainability requirements

Avoid:

- Single-model dependency
- No-performance monitoring after deployment

[Continue to Risk & Governance Check](#)

# RISK & GOVERNANCE CHECK

Before any pilot or deployment, confirm the following:

- Data sensitivity has been assessed (personal, health, financial, confidential)
- Potential impact of incorrect output is defined
- A human accountability role is assigned
- Monitoring and performance tracking are planned
- Legal or compliance consultation has been considered

Not all conditions met

All conditions met

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## All conditions must be met

Establish control measures before continuing

# PILOT BEFORE SCALE

No AI system should be fully deployed without controlled validation.

All conditions must be defined:

- Clear and measurable KPIs
- Limited-scope testing environment
- Documented output evaluation criteria
- Identified system limitations
- Estimated long-term maintenance cost

Not all conditions met

All conditions met



## Do not scale beyond pilot

Scaling AI without controlled validation increases operational dependency and financial risk.

Define performance criteria before expansion.

# CONDITIONS FOR RESPONSIBLE DEPLOYMENT

AI should only be deployed if all conditions below are confirmed.

- A clearly assigned accountable owner is defined
- Ongoing monitoring and performance review are scheduled
- Employees using the system are trained
- Data handling and access policies are documented
- A fallback or rollback plan exists

Not all conditions met

All conditions met



## **Resolve governance gaps before launch**

Deploying AI without defined ownership, monitoring, and fallback mechanisms increases long-term operational risk.

Close governance gaps before production use.

# AI IMPLEMENTATION APPROVED

The system may proceed to controlled production use.

Ensure:

- Performance is reviewed periodically
- Governance remains active
- Model updates are documented
- Human oversight remains in place

**Responsible AI is not a one-time decision.  
It is an ongoing management responsibility.**



# STRUCTURED AI DECISION COMPLETED

## Decision Outcome

If all prior conditions were met,  
AI implementation may proceed under controlled governance.  
If not,  
process optimization must precede technology adoption.

## Remember

AI does not replace accountability.  
Automation does not remove responsibility.  
Deployment is not the end — monitoring is continuous.

**Responsible AI is a management decision —  
not a technology experiment.**

