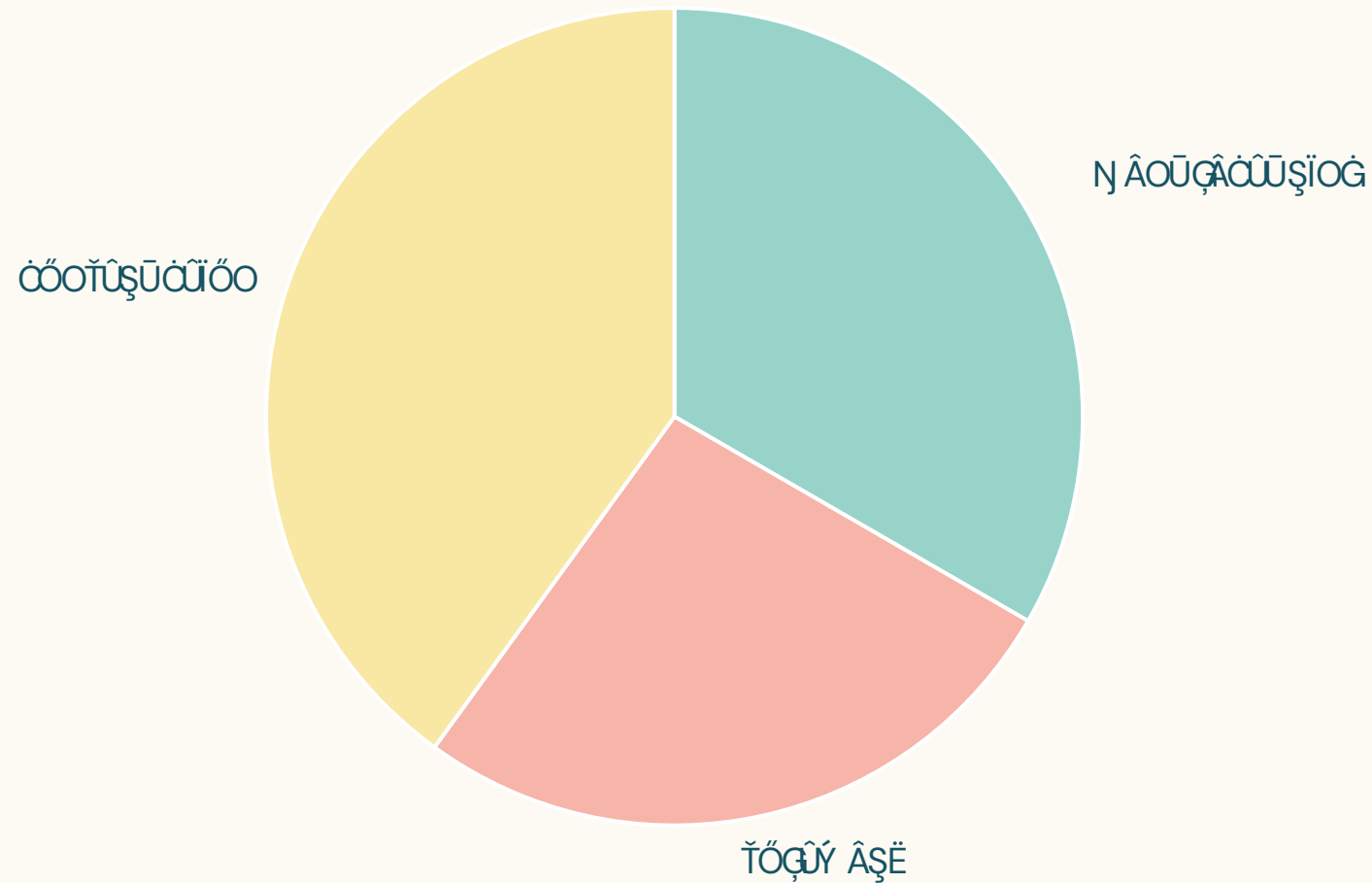




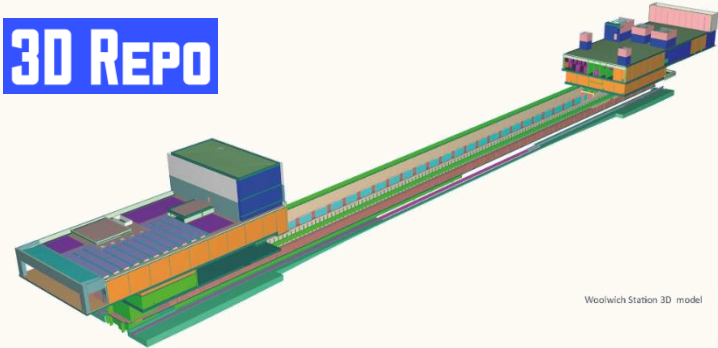
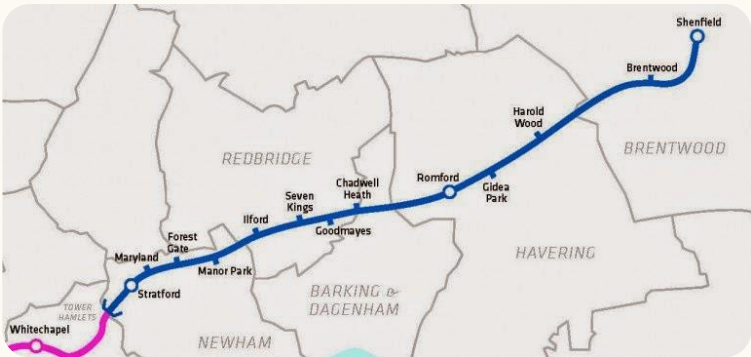
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Technology & Just In Time Logistics

ABOUT ME

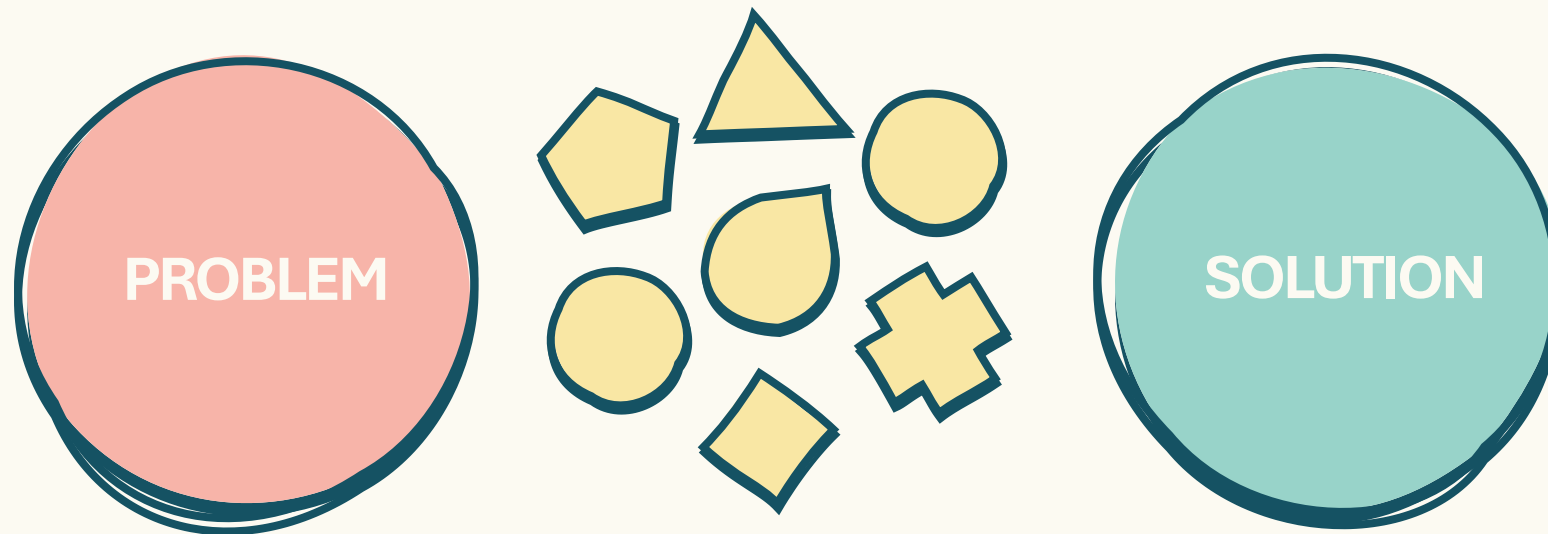


ABOUT ME



Woolwich Station 3D model

FIRST PRINCIPLES



“

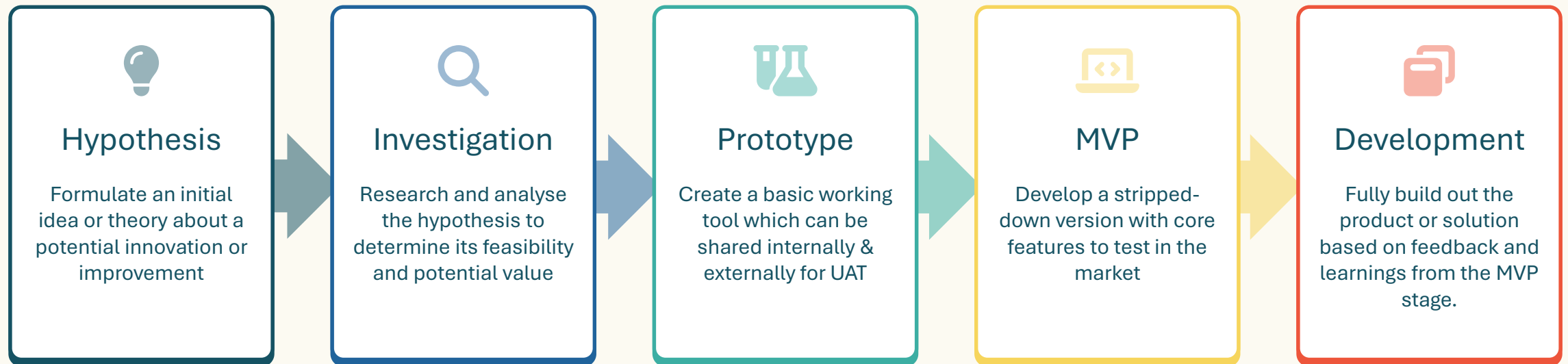
Think simple' ... meaning reduce the whole of its parts into the simplest terms, getting back to first principles.

– Frank Lloyd Wright

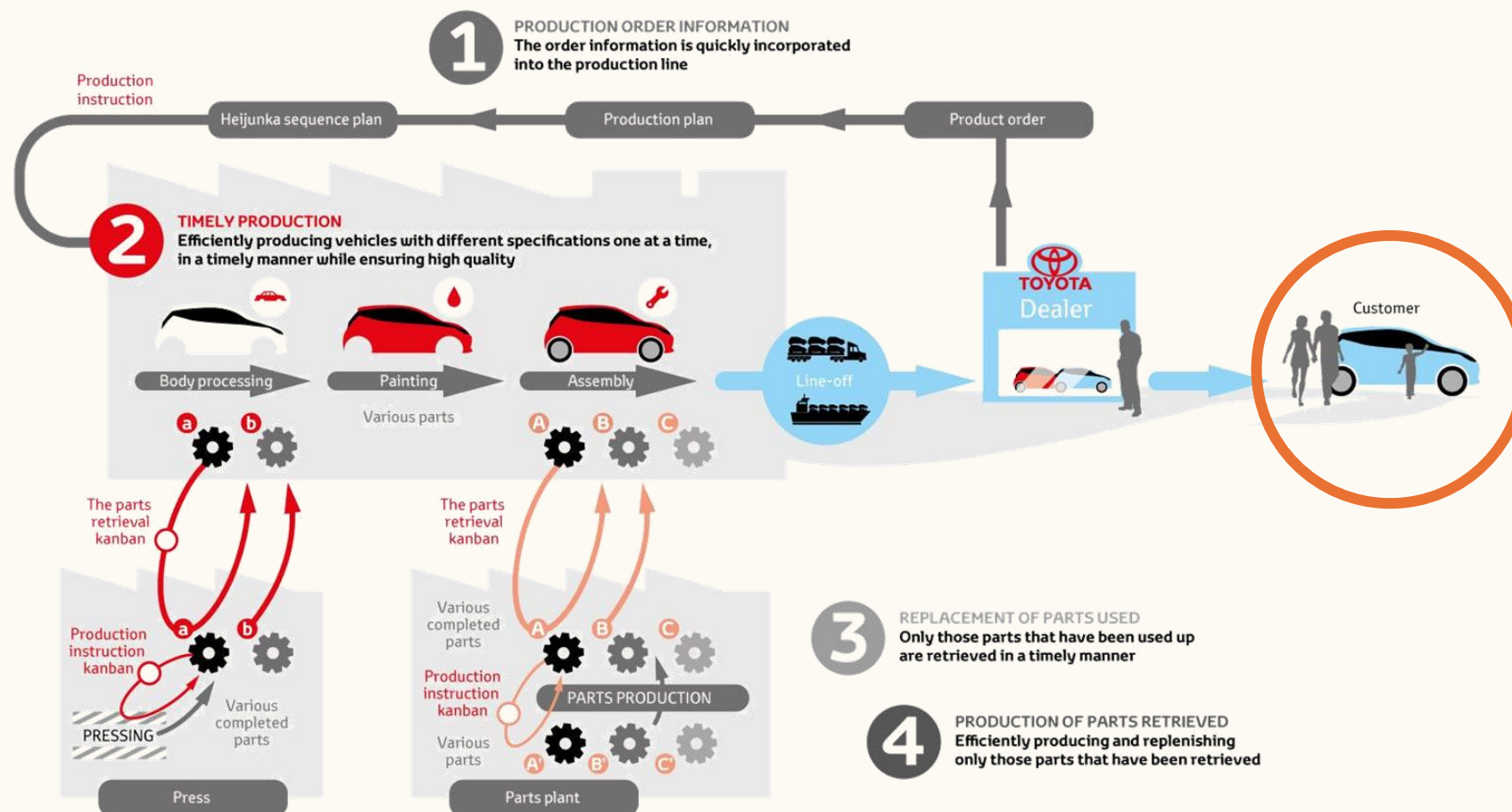
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PROCESS

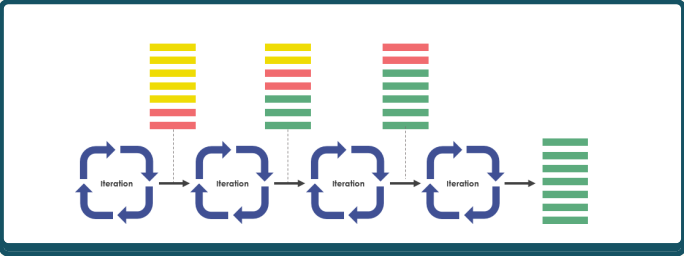
A structured approach to innovation with clear checkpoints. Each stage is evaluated before moving to the next, balancing creativity with accountability.



JUST IN TIME



JUST IN TIME



The order information is quickly incorporated into the production line



DB 2024
Design and Build Contract 2024



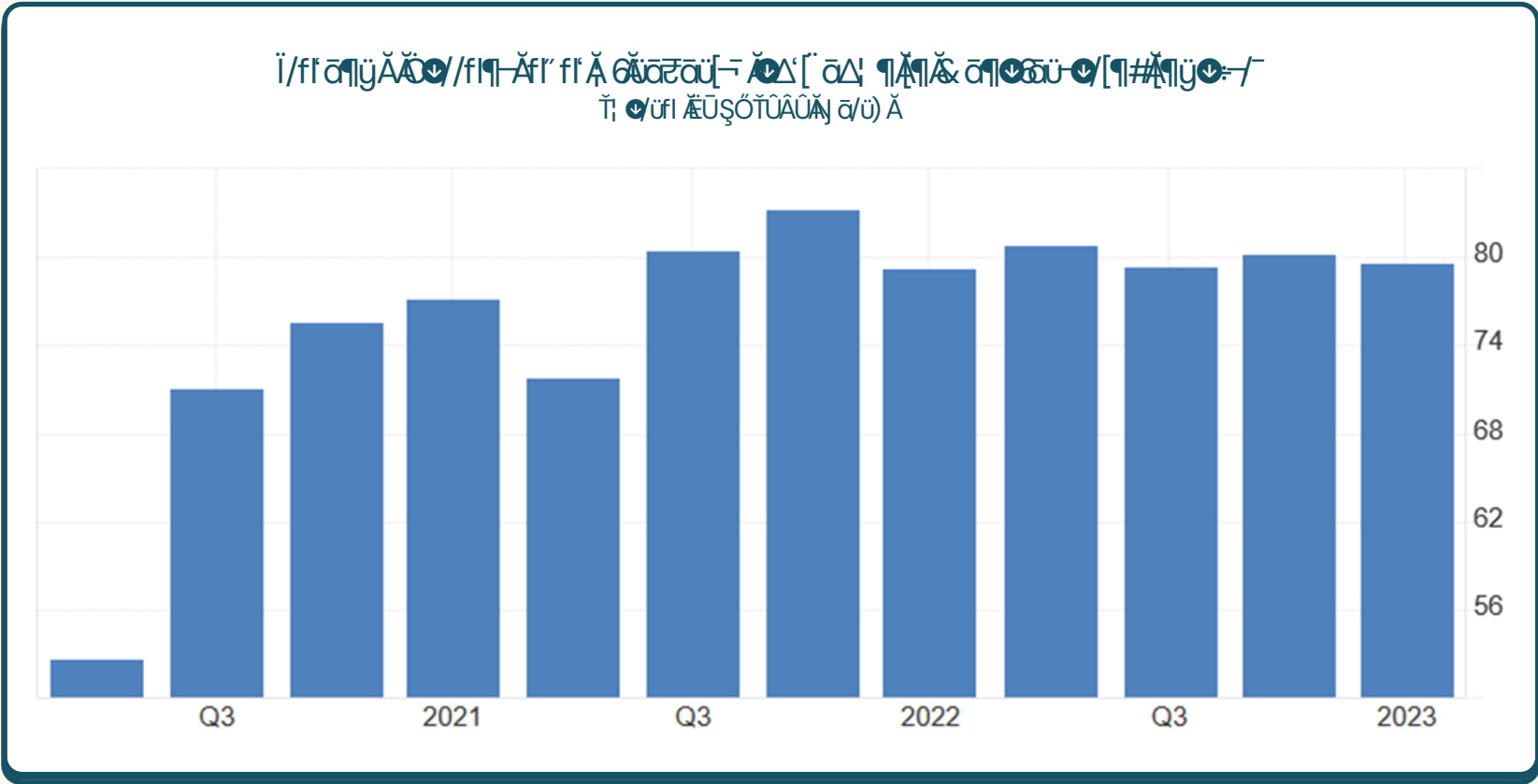
LOGISTICS



PRODUCTIVITY

[UK] Offsite manufacturers were producing maximum plant output at 72% of capacity

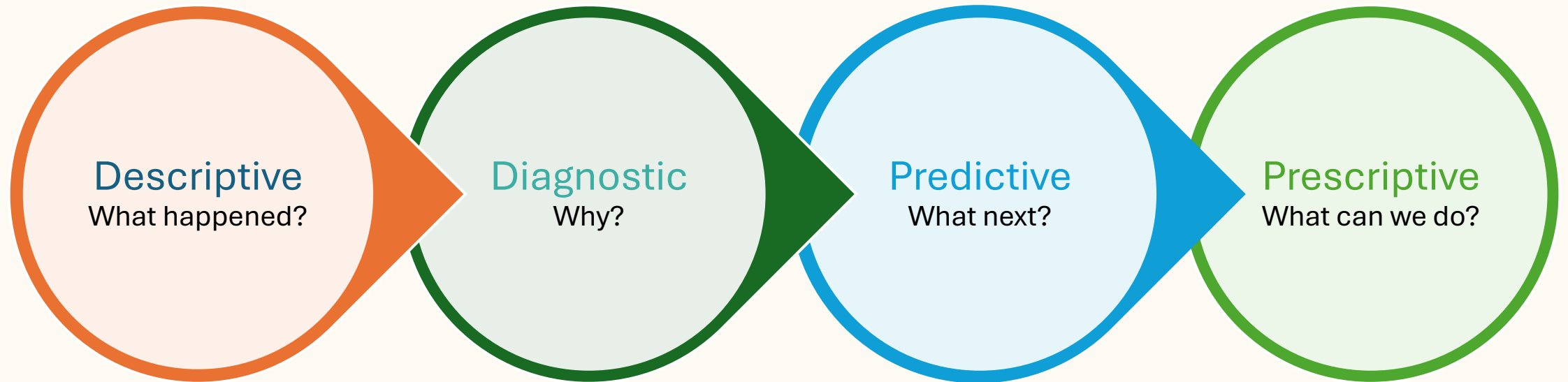
KMPG Smart Construction Report August 2016



VALUE CREATION

- Design Optimisation services
- Reduced SKUs
- Sustainability certification
- Shortened Lead Times
- Delivery Assurance
- Delivery Flexibility
- Stakeholder collaboration

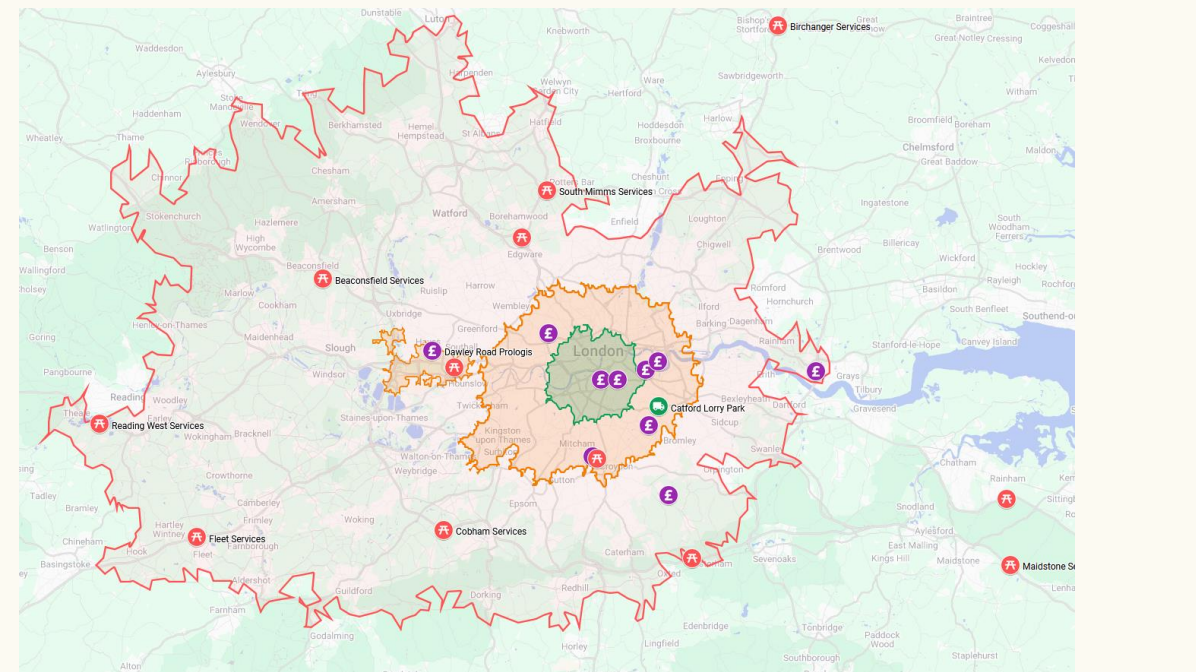
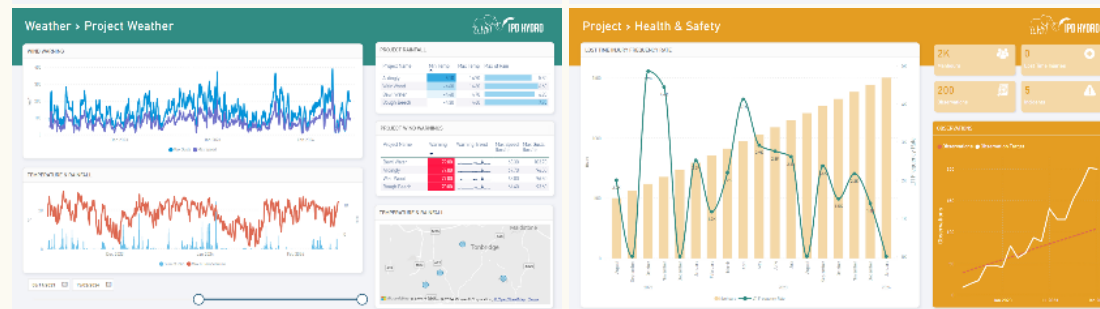
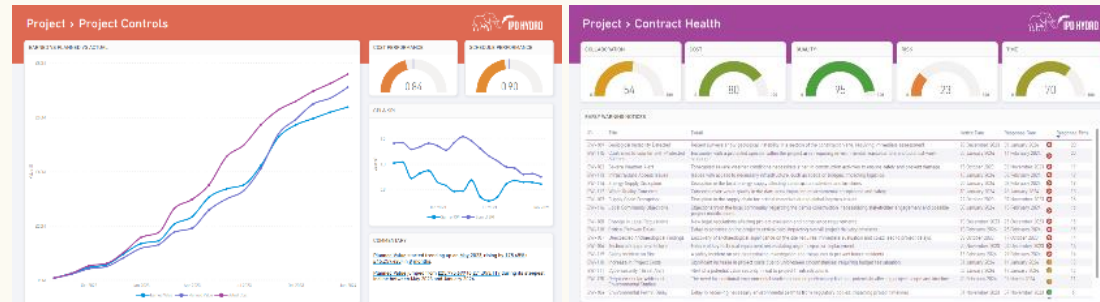
DATA ANALYTICS



DESCRIPTIVE



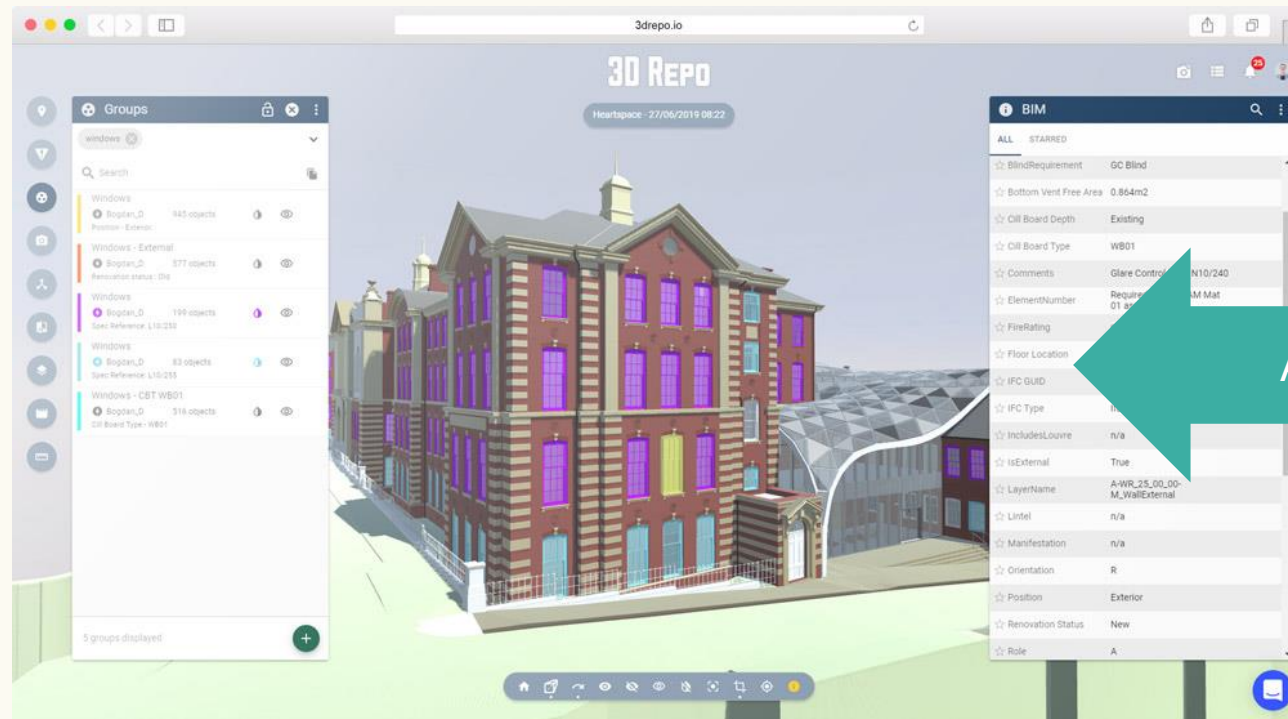
DESCRIPTIVE



DIAGNOSTIC



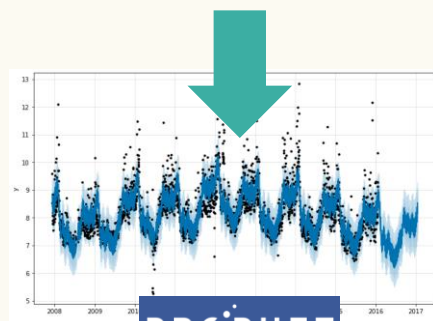
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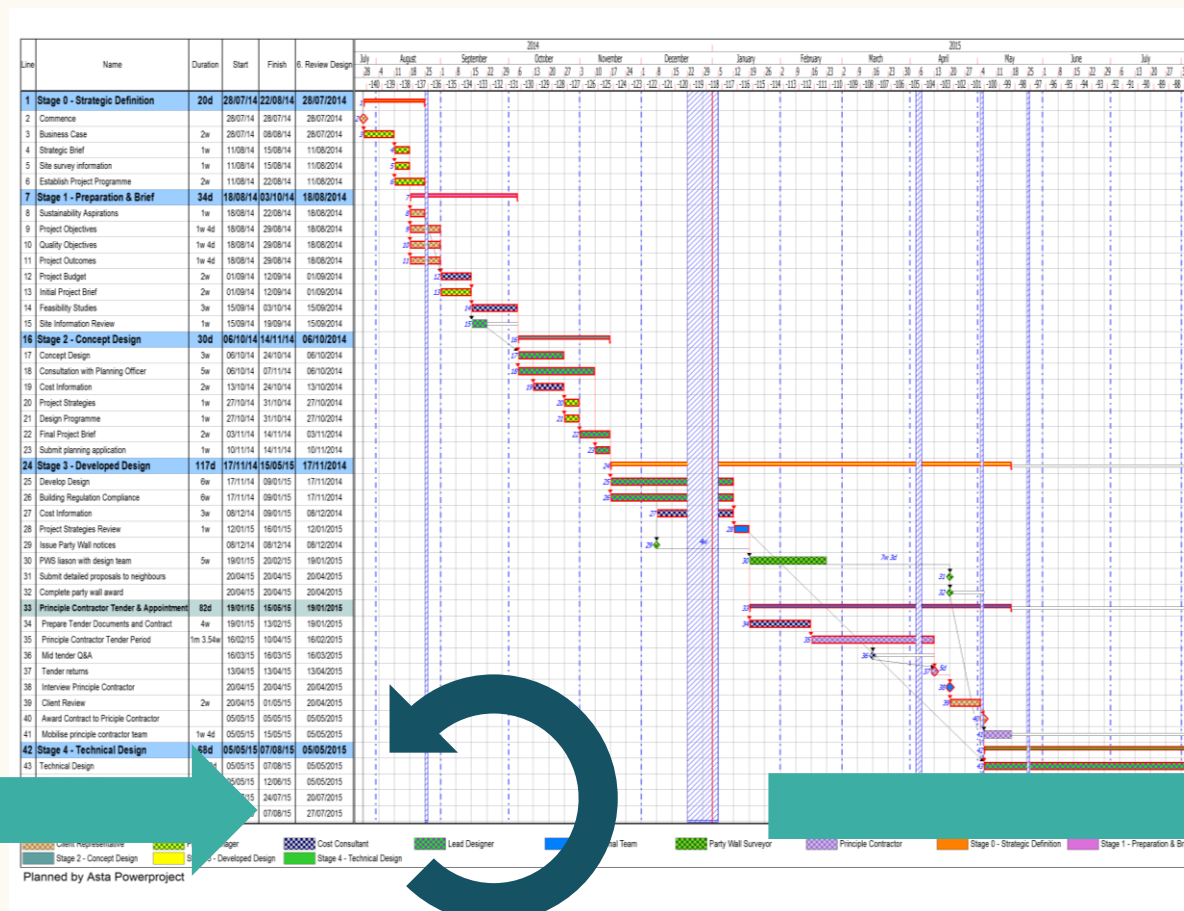
PREDICTIVE



PREDICTIVE



PROPHET

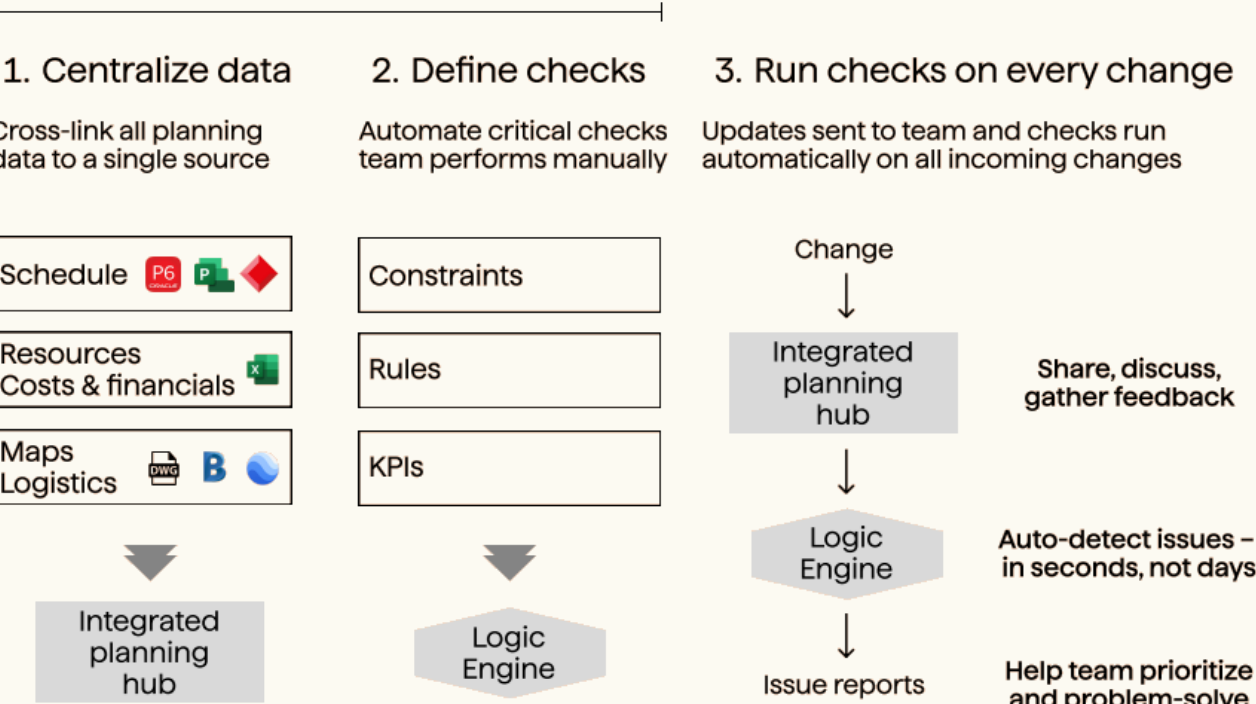


PRESCRIPTIVE



Speed up planning quality control with automation

Set-up phase: 2-4 weeks project team + PlanLab
1 hour of 3 team members per week



Assurance
Never miss a critical issue again

Rigor
Automatic process is easy to control and audit

Speed
Quicker feedback loop for problem solving and optioneering

LOGISTICS



LOGISTICS



WHAT'S NEXT

Standardised Data Schemas: Develop cross-functional teams to define and implement unified data models that all suppliers and stakeholders agree to adopt

API-Driven Communication: Foster collaborative partnerships where stakeholders commit to integrating systems rather than maintaining information silos

Quantifying Constraints: Train teams to systematically identify, measure and document all limiting factors across the supply chain with consistent methodologies

Cross-Organisation Collaboration: Establish regular forums where project teams and suppliers jointly review data and make decisions based on shared insights

Capability Building: Invest in upskilling staff to understand data-driven decision making and how to interpret and act on analytical recommendations

Process Redesign: Restructure workflows to capture and utilise data at critical decision points, replacing intuition-based processes with evidence-based ones

Incentive Alignment: Create commercial models that reward suppliers for data transparency and participation in collaborative scheduling efforts

TECHNOLOGY



MasterControl™



PlanLab



python™



Powerproject®



OpenAI

