

UK-CAPEX-2025-Q1-V2.1

THE BYD PROTOCOL

VERSION 2.1 | UK FISCAL EDITION

Hybrid-Cell CAPEX Decision Engine
for UK Manufacturing Optimisation

DECISION TOOLKIT INDEX

Pre-Calibrated: £0.26/kWh | 5.2% Wage Inflation | 25% Corp Tax | 8% WACC

Tool 01:	Sensitivity Decision Matrix	(Auto Break-Even Calculation)
Tool 02:	Hybrid-Cell Architecture Model	(50% CAPEX Reduction Logic)
Asset E:	Macro-Enabled Excel Engine	(Board-Ready Output Generator)

Offline Decision Engine: Calculate ROI Without Consultants

Decision Toolkit

2025 FISCAL CALIBRATION

All tools pre-loaded with: £0.26/kWh energy | 5.2% wage inflation | 25% corporation tax | 8% WACC

TOOL 01

Sensitivity Decision Matrix

Output: Automated Hire/Automate Decision Threshold

Dynamic decision matrix calibrated to Make UK 2025 benchmarks. Automatically calculates the volume threshold at which automation becomes NPV-positive vs. manual labor retention.

Decision Thresholds: [CLASSIFIED]

TOOL 02

Hybrid-Cell Architecture Model

Proven Outcome: 50% CAPEX Reduction vs. Full Automation

20-step process decomposition framework. Optimal ratio: 3 precision robots + 17 flexible human stations. Achieves BYD-tier capital efficiency for UK cost structures.

Process Mapping: [CLASSIFIED]

ASSET E

Macro-Enabled Excel Engine

Delivers: Board-Ready Investment Justification Charts

Offline decision calculator with 2025 UK tax parameters. Auto-generates break-even volume, NPV curves, and sensitivity analysis. Direct export to PowerPoint for board presentations.

Formula Engine: [CLASSIFIED]

Excel Engine Preview

ASSET E: CAPEX SENSITIVITY MODEL (SAMPLE OUTPUT)

Input Parameter	Value	Sensitivity	Impact
Energy Cost (£/kWh)	0.26	[██████]	[██████████]
Wage Inflation (%)	5.2	[██████]	[██████████]
Robot Unit Cost (£)	[██████████]	[██████]	[██████████]
Manual FTE Cost (£/yr)	[██████████]	[██████]	[██████████]
Volume Threshold	[██████████]	N/A	[██████████]
Break-Even (units)	[██████████]	[██████]	[██████████]

AUTO-GENERATED OUTPUT:

NPV Curve Chart: [██]

TOOL 01: SENSITIVITY DECISION MATRIX (LOGIC PREVIEW)

Volume (units/yr)

RETAIN MANUAL	AUTOMATE
Threshold: [██████]	Threshold: [██████]

Full decision thresholds and sensitivity ranges included in complete toolkit.

Complete Excel model with all formulas unlocked
available upon toolkit acquisition.

Toolkit Acquisition

Complete Toolkit Contains

- The BYD Protocol v2.1 Framework Document (PDF, 35 pages)
- Tool 01: Sensitivity Decision Matrix (embedded in Asset E)
- Tool 02: Hybrid-Cell Architecture Model with 20-step decomposition
- Asset E: Macro-Enabled Excel Engine (.xlsx, formulas unlocked)
- Semi-Auto Audit Checklist (5-step viability assessment)
- ONS/Make UK 2024/25 fiscal calibration data pack

OFFLINE DECISION CAPABILITY

Calculate break-even volumes, NPV projections, and board-ready charts without external consultants. All 2025 UK fiscal parameters pre-loaded.

DELIVERY PROTOCOL

Secure download link within 24 hours. Silent Protocol: Self-directed implementation.

B2B TRANSACTION TERMS

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