

OFFER B · LEAD OFFER

Robotics Simulation Sprint

Simulation & offline programming

Validate the cell in simulation before the steel is cut.

A fixed-scope, fixed-price engineering sprint for one agreed robotic application — so integrators and manufacturers get specialist simulation and offline-programming capacity without a permanent hire.

WHO IT'S FOR

- Integrators with more quotes and projects than simulation hours
- Manufacturers planning a new cell, a product changeover or a layout change
- Machining and finishing users who need robot paths generated from CAD

WHAT YOU GET

Work packages are selected in the Statement of Work (SoW), not bundled automatically.

- Cell model and layout validation: reach, interference, guard and fence positions
- Cycle-time study: bottlenecks named, options to remove them — simulated cycle times are estimates, not production guarantees
- Offline programs for ABB (RAPID) or KUKA (KRL); Robotmaster for machining and trimming paths
- Safety-zone concept checked in simulation (e.g. ABB SafeMove), for your safety engineer to validate
- Handover pack: agreed native station files, programs, assumptions and open-constraints log, one remote handover session

INVESTMENT

€10,000 – €20,000

PROVISIONAL, VAT STATUS PENDING

Provisional, VAT status pending; fixed after scoping. 40% on signature · 40% at the mid-sprint review (layout frozen) · 20% on acceptance. One principal sprint at a time.

WHY VX MACHINA

- ~15 years in robotics and motion control — industrial robot cells and film motion control.
- Simulation grounded in real cells: has specified, programmed and commissioned production cells, and trained operators and engineers on them.

David's film motion-control credits are personal credits, listed on the homepage; they are not VX Machina client contracts.

HOW IT RUNS

1. Scoping call → SoW with fixed price, deliverables and acceptance tests
2. Data check — the sprint clock starts when inputs are complete and the deposit is received
3. Mid-sprint review: layout frozen, milestone demonstration
4. Delivery and remote handover session
5. Acceptance against the SoW tests, within a 10-working-day review window

NOT INCLUDED UNLESS ADDED IN WRITING

- On-site touch-up and commissioning (optional, quoted per day)
- PLC / HMI development and vision integration
- Turnkey multi-robot line design
- Safety sign-off, CE / UKCA marking, production-rate guarantees
- Fault-finding or repair of drives, power supplies or controller hardware
- Revision loops beyond the SoW

Programs are delivered ready for on-site touch-up. A clear simulation is not a safe physical cell: the first run on the real cell, at reduced speed, is the client's responsibility unless the on-site option is contracted. Tools: ABB RobotStudio, KUKA.Sim, Robotmaster — software seats and licence access are agreed in the SoW.

PUBLIC WORK BEHIND IT

Two-robot welding cell · Barrel destacking line · Machine-tending cell · SafeMove fixture cell · Robotmaster machining path — vx-machina.xyz

NEXT STEP

Send robot brand, task and target date → scoping call → fixed-price SoW.