Construction built around autonomous execution

Construction that carries out site plans faster and more safely — coordinated machines under human direction, with missing information flagged before it causes delays.

Start with the work to be delivered

Every road corridor and installation has its own ground conditions, access constraints, materials and sequence. Work moves fastest when the plan is clear before anyone reaches site, and slowest when a missing record or a conflicting drawing surfaces halfway through.

TEICON is Anton Solutions' agentic construction initiative, now in development and built on the field experience of TEICO Overseas. Its goal: coordinated machines building roads faster and more safely, under human direction.

People approve, machines deliver

Machines take on the repeatable work — excavation, grading, compaction and paving — while the project team stays in charge. Machine work goes ahead only when the responsible people approve it, and engineering acceptance stays with the specialists who own the design.

Missing or inconsistent information is flagged to the right team before it holds up the programme, so questions are answered at the desk rather than discovered at the machine.

From design intent to handover

Digital Eye gives every site a living, up-to-date picture, with early warning of change before it becomes failure. Together with Construck's slope and drainage systems, the result is a closer link between what was designed and what was built: fewer delays, safer sites and progress that can be traced from first survey to handover.

Read the full perspective

The full article is available on request from Anton Solutions: anton-solutions.com/contact