Intelligent Machine Control



What is Intelligent Machine Control?

- Machine guidance shows the operator where to dig
- Semi-automatic control helps the operator keep the design surface



Current job site

Ground works stopped whilst survey work in progress

Site Manager checking progress



Surveyor checking location of ground works with GPS Rover

Staking put in place previously by surveyor to show location of ground works

Future job site

No personnel in vicinity of machine – improved safety

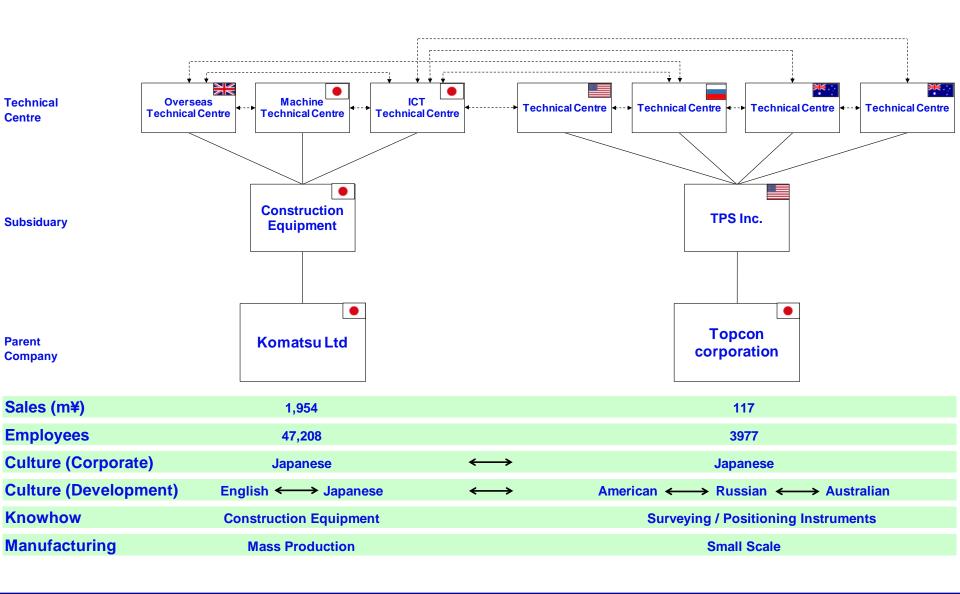
Site Manager can check progress from office



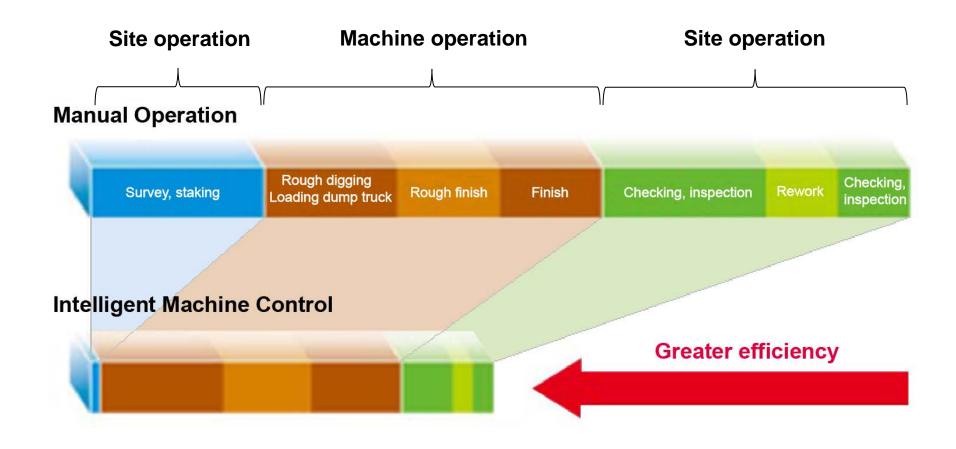
Operator can check location of ground works using machine

No staking – operator follows plan on monitor

Development Challenges



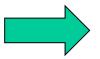
Challenges of bringing Intelligent Machine Control to Market



Main efficiency improvements are site based rather than machine based

Challenges of bringing Intelligent Machine Control to market





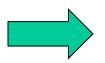


Surveying, Staking, Checking

Base station set-up, Control Points, Localisation

Radio set-up, Modem set-up

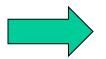






CAD site models







Office based site management

Site based management

