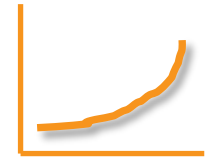
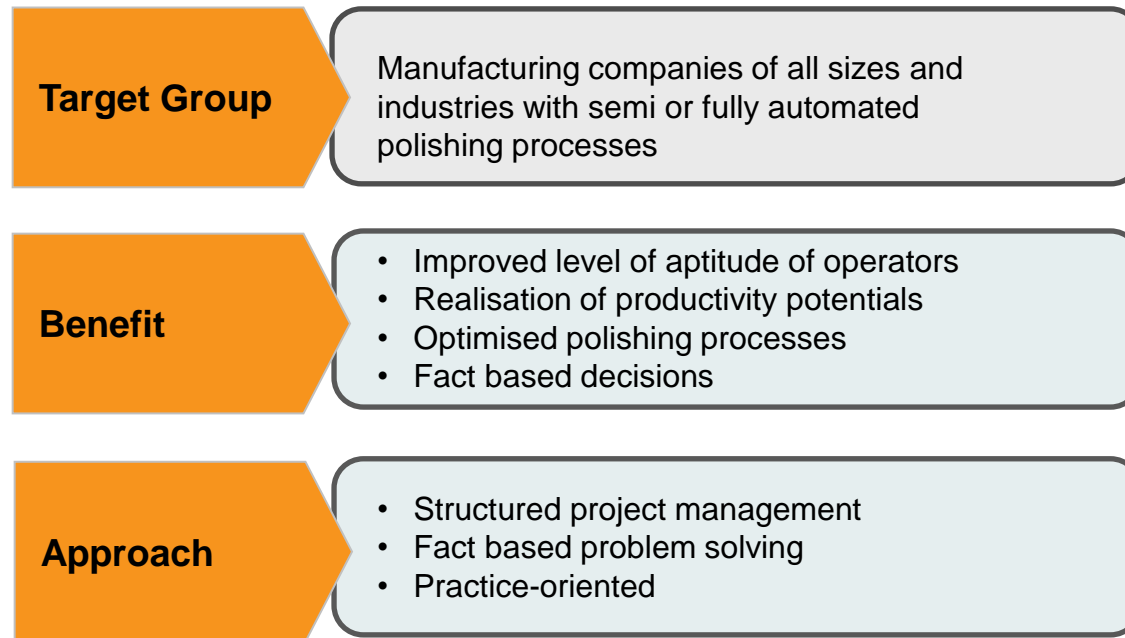




Solutions that work

Menzerna Consulting creates competitive advantages





Why Menzerna Consulting?

Experience

- Decades of experience in compound formulation
- Long standing experience in process development and implementation
- Successful CIP implementation

Approach

- Practice-orientation
- Structured and databased approach

Equipment

- Electronic measurement instruments (e.g. scattered light measurement, granulometry, density measurement, titration, electronic microscope)
- Machines and devices (e.g. fully automatic grinding and polishing robot, flatbed polishing machine, acuity polisher, degreasing bath)

Independence

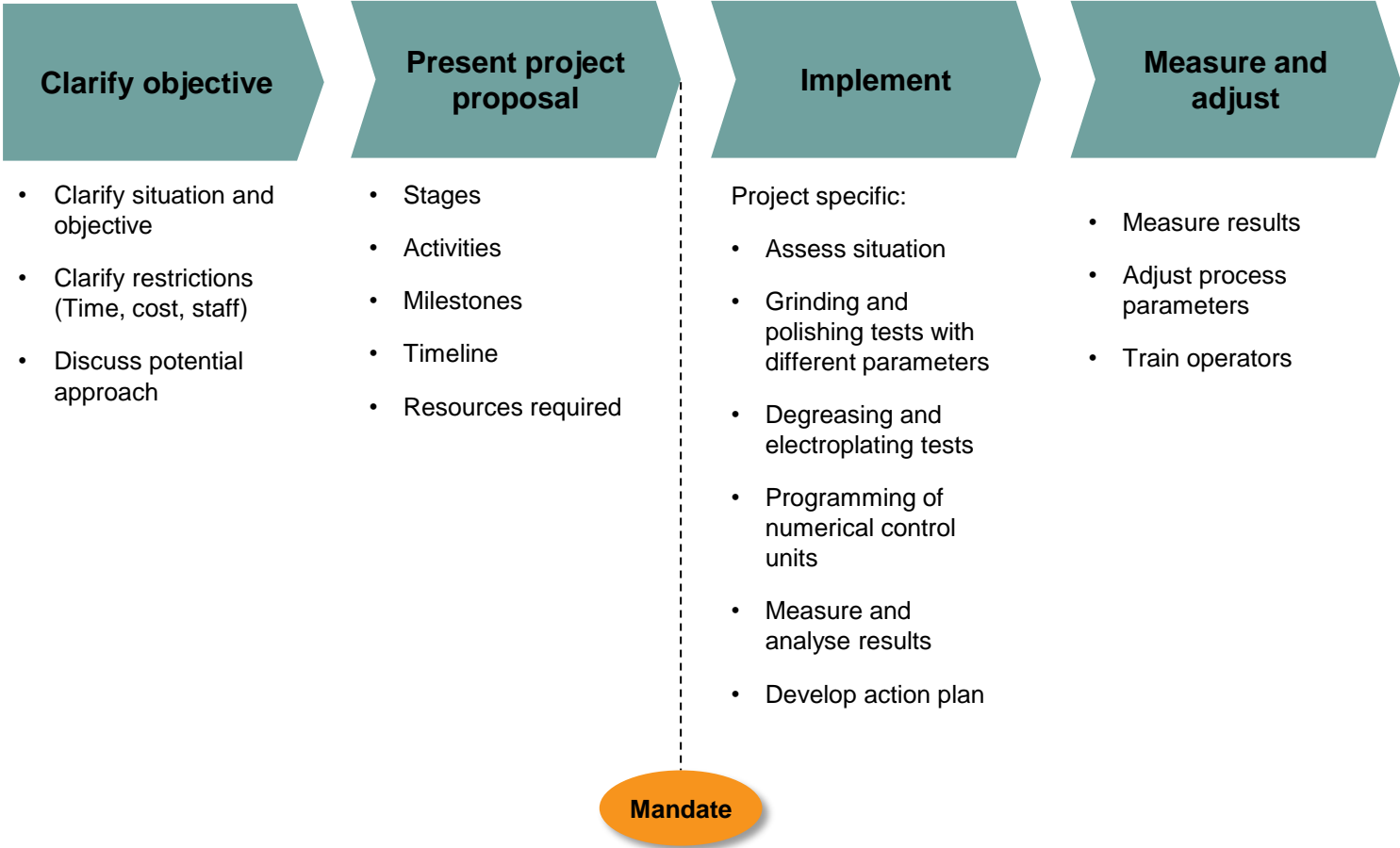
- No commitment to suppliers of machines or consumables
- Strictly nonpartisan also with regard to polishing compounds

Technical advice for the manufacturing industry

	Productivity improvement	Process development	Technical assessm. of investment projects	Operator trainings	Offline-programming
Objectives	Realisation of performance potentials through waste elimination	Optimized application specific polishing processes	Profitable investments in manufacturing equipment	Process stability and cost effectiveness through improved skill level	Optimal and repeatable machine operations
Approach	Analysis of procedures and machine parameters and development of action plans	Harmonisation of machine, tools, consumables and determination of optimal process parameters	Assessment of workpiece suitability for automatic polishing machines and cycle time calculation	Structured and practice oriented training programmes	Coding in SOLID WORKS based on CAD Data
Results	Produktivität improvement up to 20%	Recommendations for process parameters, tools and consumables	Fact based technical assessment of investment projects	Standardized skill level of machine operators	Application specific code numerical control of polishing machines

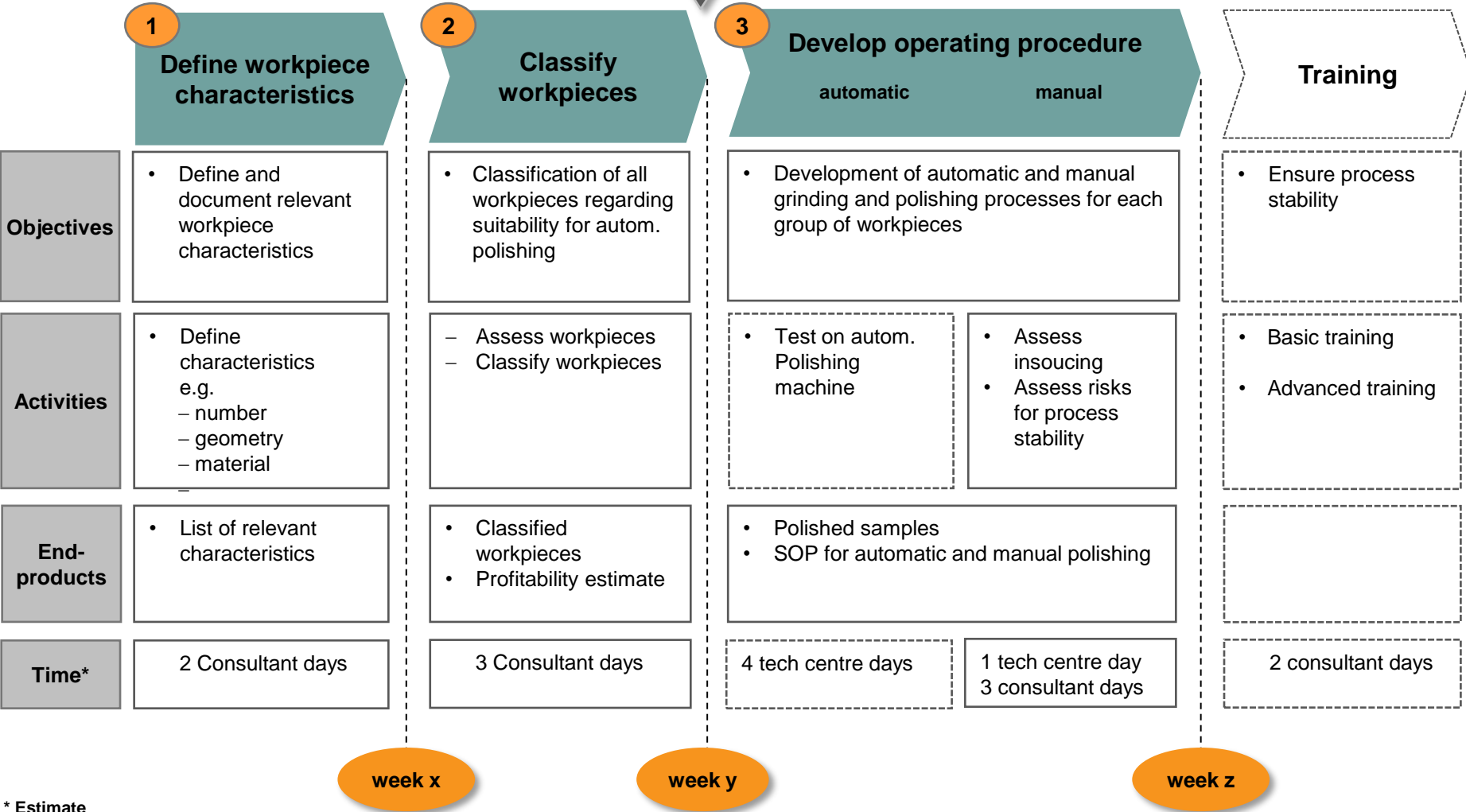
Experience, approach and cutting edged equipment guarantee results

Stages of a consulting project





Investment decision



* Estimate

Objective	Productivity improvement	Process development	techn. assessment of investment projects	Offline-programming
<p>➤ Gear wheels Development of a polishing process to ensure a defined surface roughness</p>	✓	✓	✓	✓
<p>➤ Light fixtures Classification of workpieces and assessment of suitability for automatic polishing</p>	✓		✓	
<p>➤ Automobile manufacturing Establish new SOP for polishing to ensure smooth production after introduction of a new clearcoat system</p>	✓	✓		
<p>➤ Automobile parts supplier Development of an improved polishing emulsion to reduce cycle times</p>	✓			