



STACAST

*technology*

# Introduction

- ❑ Key areas of expertise.
  - ❑ Technical assistance for foundries.
  - ❑ Engineering and Methods advice.
  - ❑ « Low cost » production equipment (for foundries, forges and plastics).
  - ❑ Mechanical parts manufacturing.
- ❑ Our contact details.

# Technical assistance for Foundries

## Mission statement

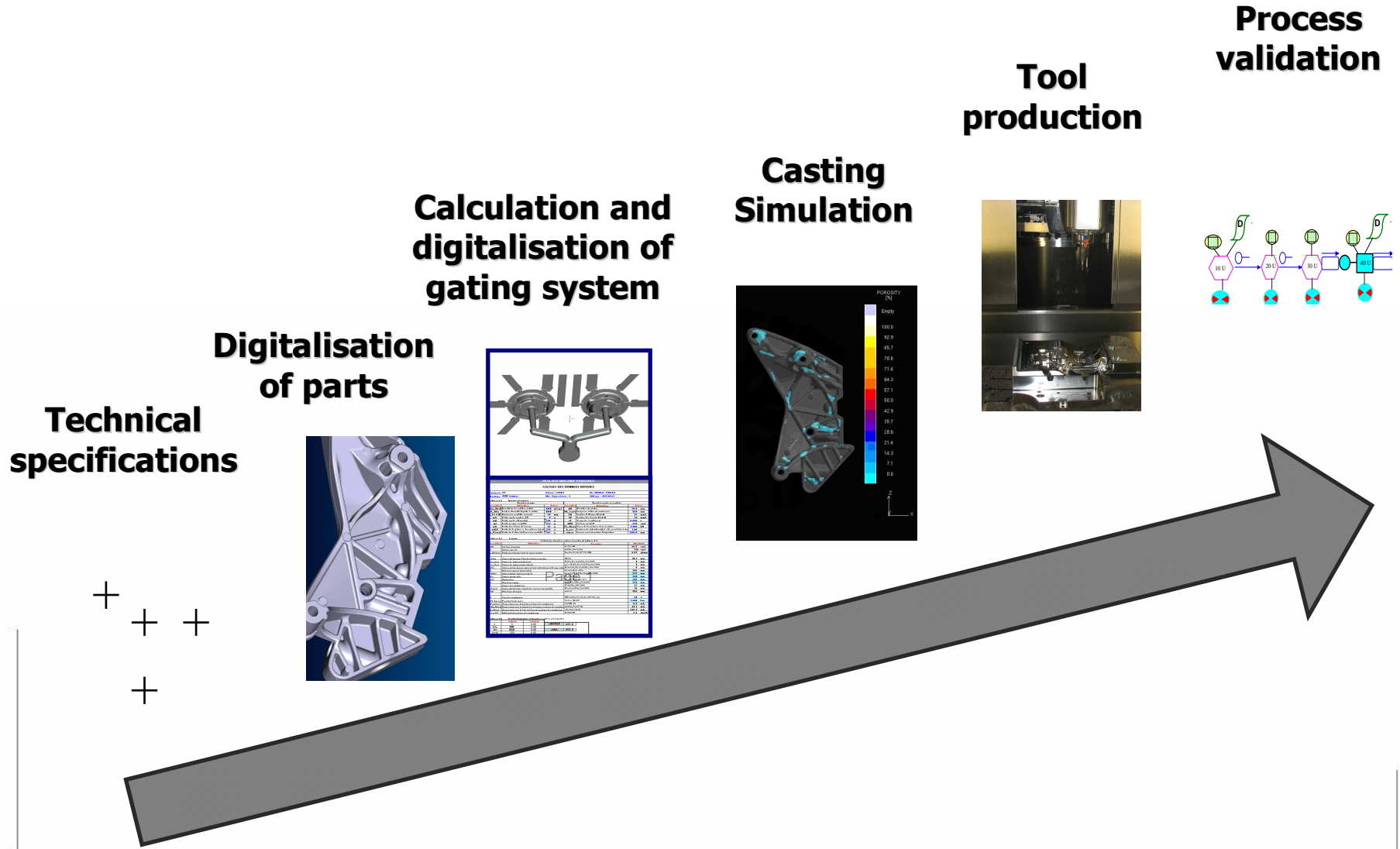
Consulting given by a foundry expert. Subjects of expertise include high pressure injection, squeeze casting and rheocasting.

# Technical assistance for Foundries

## New Developments

- ❑ Range of manufacturing methods for complex production.
- ❑ Consulting on ROI for manufacturing parts.
- ❑ Technical management : product development to end of product life cycle.
- ❑ Training.
- ❑ Die testing and follow-up during starting in production.

# Stages in development process



# Technical assistance for Foundries

Existing production

- Optimal tool use.
- Optimal manufacturing process.
- Continuous improvement.
- Process simulation (MAGMA soft).
- Audits and consulting on organisation and production methods.

# Engineering and Methods

## Key Competencies

- High Pressure casting
- Gravity casting
- Forge
- Rheocasting
- Squeeze casting
- Thermoplastics

# Engineering and Methods

## Activities

- ❑ Product conception following specifications and/or co-design.
- ❑ Product digitalisation and plan making.
- ❑ Tool making / die layout – design.
- ❑ Complete studies of tools using 2D or 3D.
- ❑ Process Simulation (MAGMA Soft).
- ❑ Personalised specifications.



# « Low cost » Manufacturing

Complete service offering:

- Regular project updates to meet deadlines
- Frequent quality control.
- Follow-up with steel and thermal treatment suppliers

Project co-ordination and tailored service to ensure customer satisfaction.

# Mechanical Parts Manufacturing

□ Pistons



□ Spindles



□ Containers



□ Diverse mechanical parts



# Contact Details

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