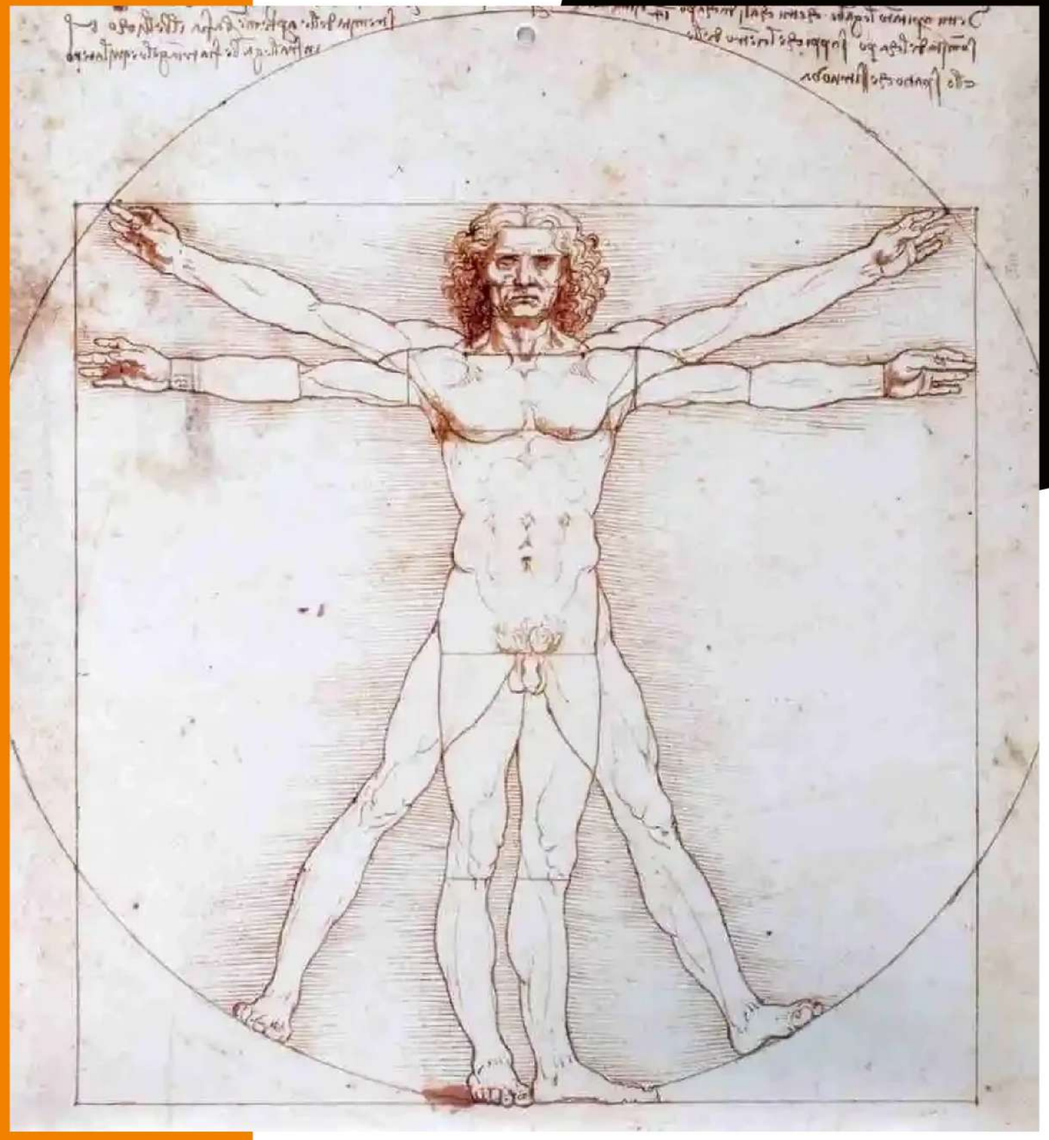
QTool

Da Vinci Open Innovation Program

Introduction

The program allows exploring the latest conformal thermal management systems for moulds in a low-risk environment by partnering with technology experts.



Scope

This program received finance from the European Union, the Italian, and the German Government. The scope of the program is to increase the competitiveness of the manufacturing industry in Europe, the USA, and Israel. This happens by reducing manufacturing costs, and energy consumption along with increasing the quality of the final product.

PLASTIC INJECTION MOULDING

DIE CASTING

HOT STAMPING

APPLICATIONS

How it works?

1

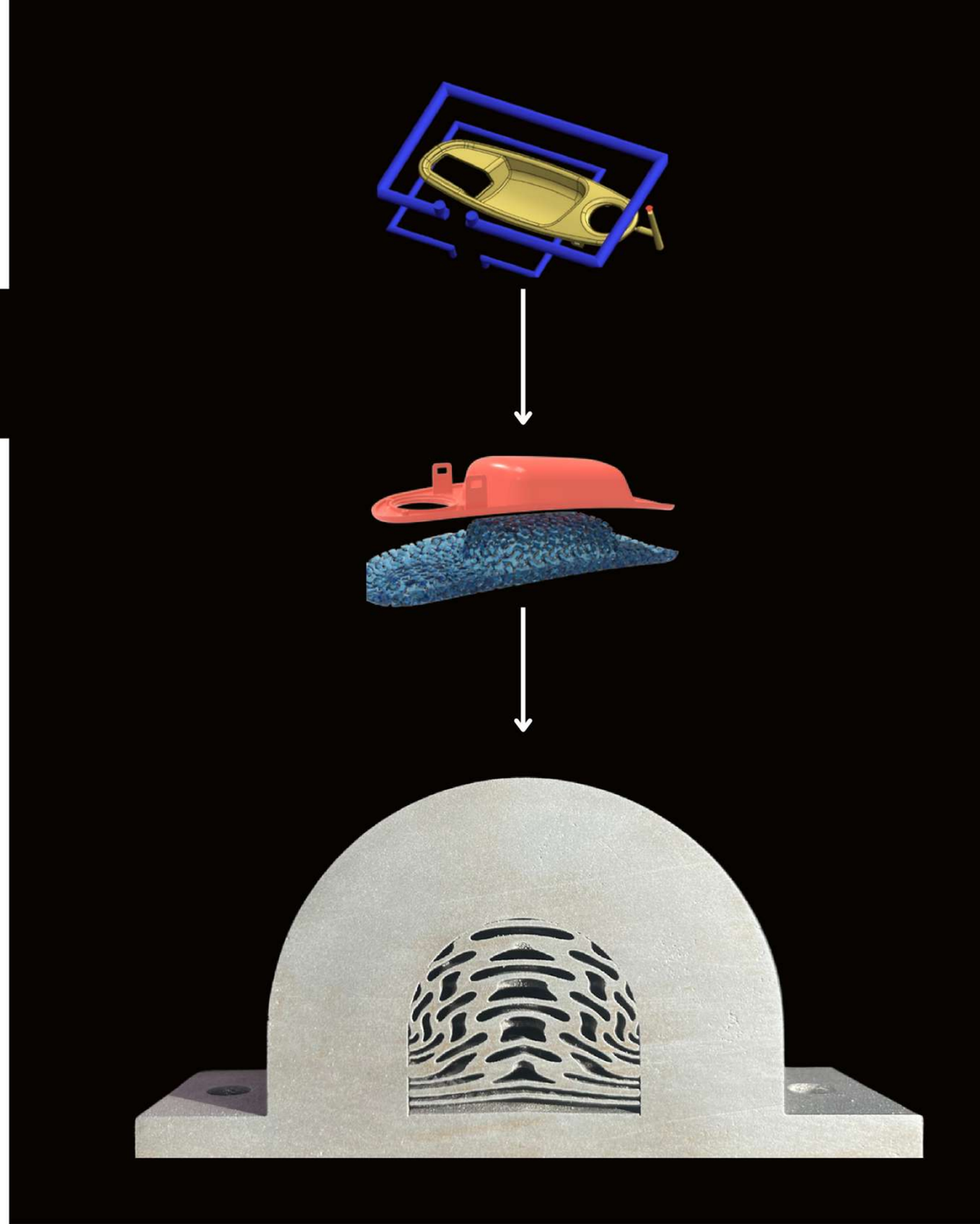
Technical Training

Technical training held in collaboration with our partners to introduce the latest conformal cooling technologies. It is strongly advised to carry out the training at our partner site where it will be possible to see the relevant Additive Manufacturing Technologies. Alternatively, the technical training could be held on-premise.

2

Pilot Project

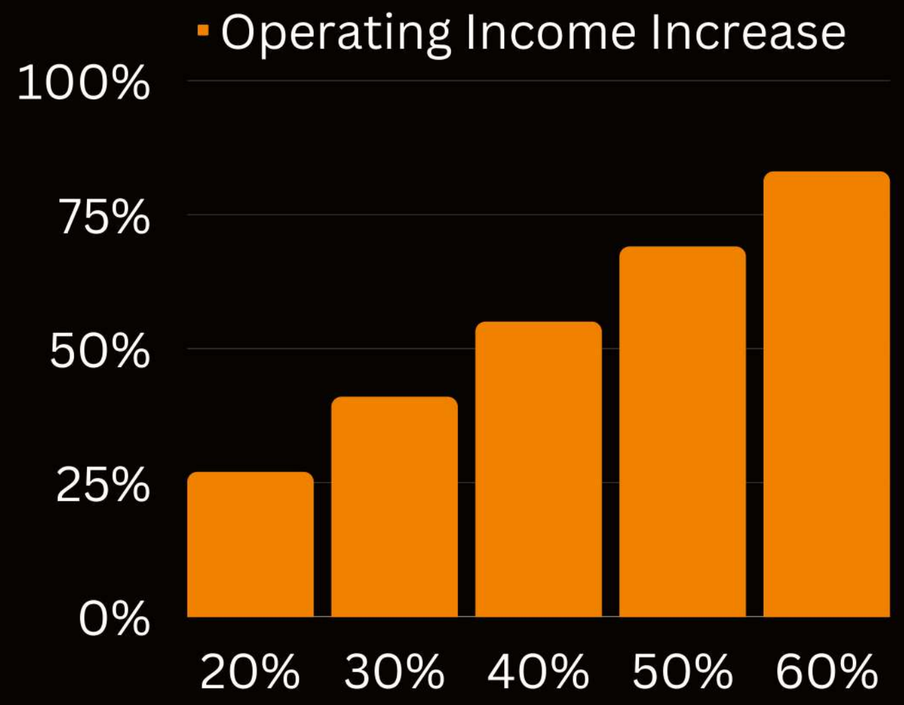
A mould/mould insert will be chosen in collaboration with QTool for the re-design of the cooling/heating channels inside using the competency gained during the technical training. Subsequently, the new mould will be produced in Additive Manufacturing for deployment and testing.



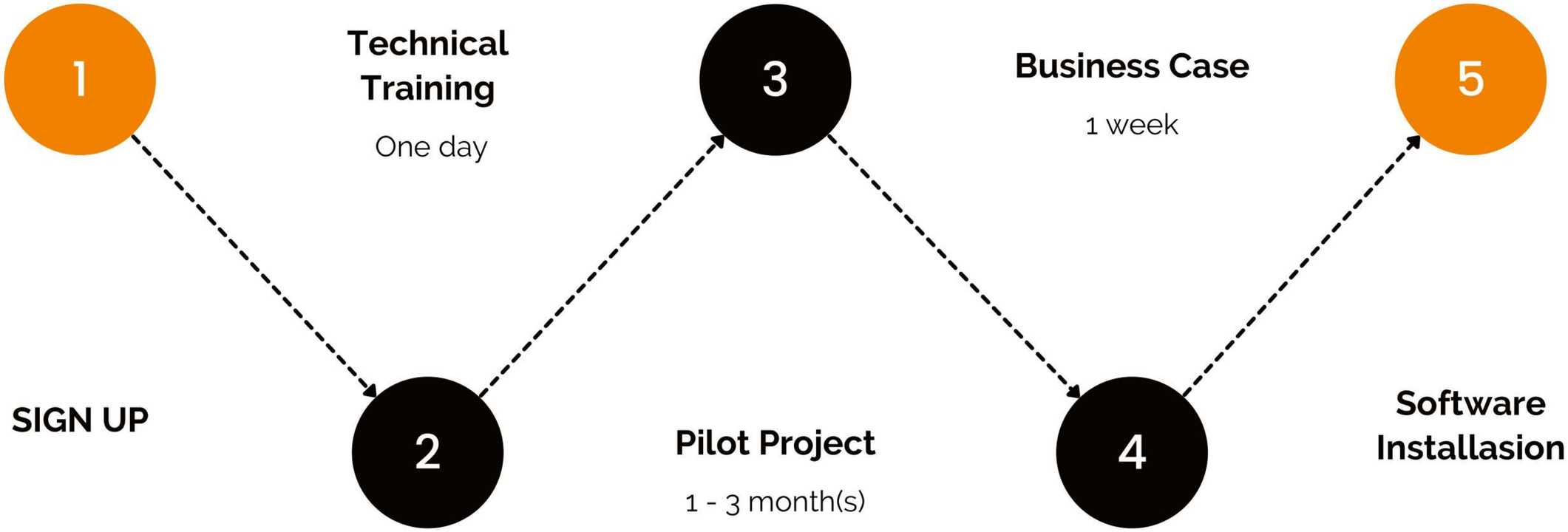
3

Business Case

Business Case report that contains detailed technical benefits and economic impact on the participant company.



Timeline


1
SIGN UP
2
Technical Training
One day
3
Pilot Project
1 - 3 month(s)
4
Business Case
1 week
5
Software Installasion

Partners

Technical Training

+CIM 4.0

Fraunhofer

AM Prodction

eos Responsible Manufacturing

RENISHAW apply innovation™

Contact Us

Info@qtoolsrl.it

https://qtoolsrl.it

Via Carlo Viola 78
Pont Saint Martin (AO)
11026 Italy