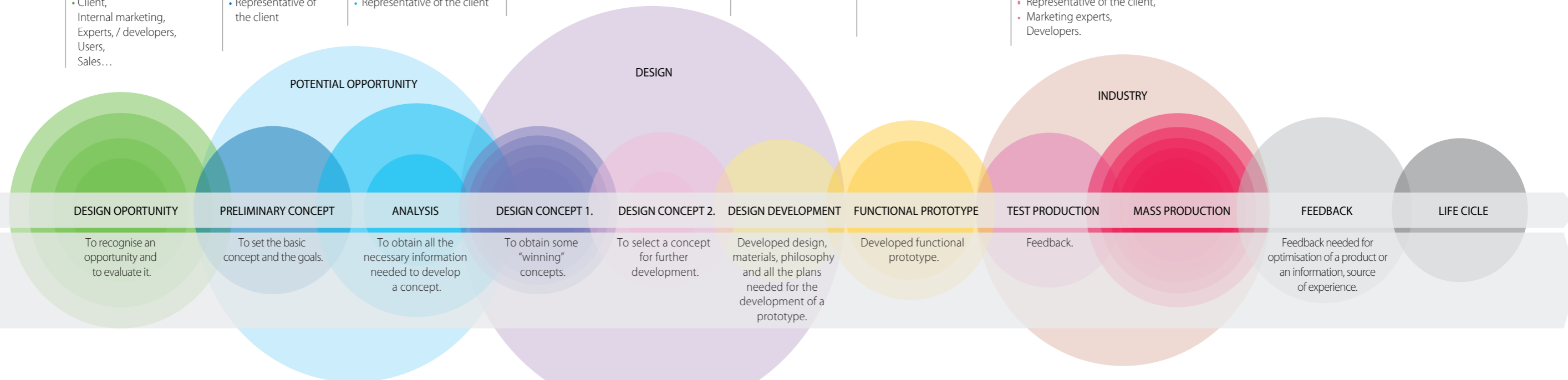


# DESIGN PROCESS

<b>ACTIVITY</b>	<ul style="list-style-type: none"> <li>Inspiration</li> <li>Ideas</li> <li>New technology</li> <li>Testing</li> <li>Market demand</li> </ul>	<ul style="list-style-type: none"> <li>Market analysis</li> <li>Gathering of materials</li> <li>Brainstorming</li> <li>SWOT analysis</li> <li>Philosophy of a concept</li> </ul>	<ul style="list-style-type: none"> <li>Evaluation of ideas and selection of the most promising ones</li> <li>Analysis of the competing products and market</li> <li>Possibility of realisation, necessary technology and estimated financial plan</li> </ul>	<ul style="list-style-type: none"> <li>Sketches</li> <li>Scale models</li> <li>Brainstorming (quantity)</li> </ul>	<ul style="list-style-type: none"> <li>Plans</li> <li>Ergonomics</li> <li>3D models</li> <li>Visualisations</li> <li>Physical models (3D Prints, CNC...)</li> </ul>	<ul style="list-style-type: none"> <li>Detailing of the details and principles</li> <li>Simulation on 3D models (thickness, principles, pieces...)</li> <li>Beginning of the marketing process, visualisation and the first feedback.</li> </ul>	<ul style="list-style-type: none"> <li>Planning and defining of the manufacturing processes,</li> <li>Testing of the materials and functioning of the product itself.</li> </ul>	<ul style="list-style-type: none"> <li>Feedback on product execution,</li> <li>Elimination of the problems and optimization of the manufacturing process.</li> </ul>
<b>PROJECT TEAM</b>	<ul style="list-style-type: none"> <li>Industrial designers,</li> <li>Engineers, technologists,</li> <li>Marketing,</li> <li>Experts in the field, General public...</li> </ul>	<ul style="list-style-type: none"> <li>Designers,</li> <li>Field experts,</li> <li>Ethnologist,</li> <li>Psychologist...</li> </ul>	<ul style="list-style-type: none"> <li>Designers,</li> <li>Field experts</li> </ul>	<ul style="list-style-type: none"> <li>Designers (team)</li> </ul>	<ul style="list-style-type: none"> <li>Designers,</li> <li>Developers,</li> <li>Field experts (CAD, CAM)</li> </ul>	<ul style="list-style-type: none"> <li>Designers,</li> <li>Technologists,</li> <li>Developers.</li> </ul>	<ul style="list-style-type: none"> <li>Designers,</li> <li>Technologists,</li> <li>Developers.</li> </ul>	<ul style="list-style-type: none"> <li>Designers,</li> <li>Marketing experts,</li> <li>Engineers.</li> </ul>
<b>CLIENT</b>	<ul style="list-style-type: none"> <li>Client,</li> <li>Internal marketing,</li> <li>Experts, / developers,</li> <li>Users,</li> <li>Sales...</li> </ul>	<ul style="list-style-type: none"> <li>Representative of the client</li> </ul>	<ul style="list-style-type: none"> <li>Representative of the client</li> </ul>					<ul style="list-style-type: none"> <li>Representative of the client,</li> <li>Marketing experts,</li> <li>Developers.</li> </ul>



<b>TECHNOLOGY</b>	<ul style="list-style-type: none"> <li>Notes,</li> <li>Sketchbook,</li> <li>Ideas on paper.</li> </ul>	<ul style="list-style-type: none"> <li>Notes,</li> <li>Sketchbook,</li> <li>Digital notes and presentations</li> </ul>	<ul style="list-style-type: none"> <li>Notes,</li> <li>Sketchbook,</li> <li>Client's database,</li> <li>General database,</li> <li>Analyses...</li> </ul>	<ul style="list-style-type: none"> <li>Notes,</li> <li>Sketches,</li> <li>Scale models,</li> <li>3D models.</li> </ul>	<ul style="list-style-type: none"> <li>Traditional approach</li> <li>CAD/CAM (CNC, 3D prints, laser cutting...)</li> </ul>	<ul style="list-style-type: none"> <li>Technology needed for the execution</li> </ul>	<ul style="list-style-type: none"> <li>Technology needed for the execution (CNC, Laser ...).</li> </ul>	<ul style="list-style-type: none"> <li>Industrial processes of serial production</li> </ul>
<b>RESULT OF THE DESIGN STAGE</b>		<ul style="list-style-type: none"> <li>Evidence of the need for the product</li> </ul>	<ul style="list-style-type: none"> <li>Guidelines for development of a concept. Why there are the opportunities and what are the limitations (user, materials, technology, dimensions...)</li> </ul>	<ul style="list-style-type: none"> <li>Larger quantity of sketches,</li> <li>Selection of 2-3 ideas to be developed further.</li> </ul>	<ul style="list-style-type: none"> <li>3D model or a physical model with all the details specified</li> <li>Ready up to the stage where the implementation of technological solutions can start.</li> </ul>	<ul style="list-style-type: none"> <li>Blue prints of solutions for the details and product as a whole.</li> <li>CAD 3D model.</li> </ul>	<ul style="list-style-type: none"> <li>Final blue prints of the product design</li> <li>CAM 3D model</li> </ul>	<ul style="list-style-type: none"> <li>Production blue prints with tallies,</li> <li>CAM 3D models for individual production stages</li> <li>Serial product.</li> </ul>

