

INÉDI - Centre of expertise and research in industrial design (INEDI)

Cégep de Lanaudière à Terrebonne

📍 Terrebonne, QC

INÉDI EXPERTISE ET RECHERCHE
EN DESIGN INDUSTRIEL



ABOUT INEDI

INÉDI carries out applied industrial design research projects involving the development of a product or service (in whole or in part), or the study and validation of a product using a scientific approach based on quantitative and qualitative data. Each project undergoes a rigorous and exhaustive process.

Our team uses a variety of technological tools and expertise to carry out design projects. The contribution of virtual, augmented and mixed realities enables us to co-create, validate and present products in a highly collaborative space, helping to resolve issues of logistics, prototyping costs, labor shortages and social exclusion. Our specialists also focus on human factors and ergonomics in product design, improvement, adaptation and validation. Our research helps make designs more inclusive and responsive to the changing needs of the populations they address. Finally, our experts use additive manufacturing not only for rapid prototyping, but also as an engine for reflection and experimentation in circular economy and eco-design through the reuse of materials/p>

INÉDI meets the needs of small, medium, and large businesses throughout the entire product development process. To do so, it works with a multidisciplinary team of experts to carry out applied research projects aimed at designing, developing, optimizing, and validating innovative products. Industrial design at the facility is supported by three research areas or departments: additive manufacturing and rapid prototyping, connected objects and virtuality, and human-object interaction.



Laboratory with a research focus on virtual reality and connected objects




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 Services offered in: French

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RESEARCH AND INNOVATION EXPERTISE

EXPERTISE

1. Strategic design and design thinking | l'Empreinte Québécoise
2. Connected objects and virtuality | HoloDEC laboratory
3. Human-object interaction | KINEDI laboratory
4. Rapid prototyping and additive manufacturing | ProtoDEC laboratory



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