

A new generation of interaction design to boost your systems' conception



To reduce costs and deadlines, explore new concepts of interaction and reduce the risk of usability of innovations, manufacturers are searching for new user-centric solutions.

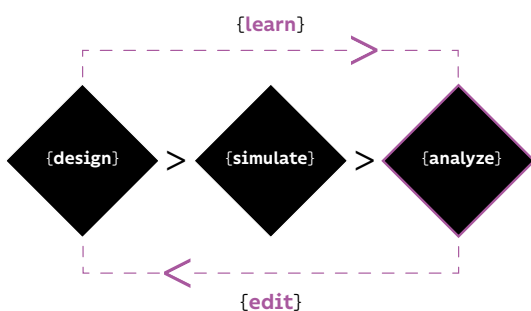
The b<>com *Ngagement* revolutionizes the interaction design of complex systems by the integrated combination of agile design tools, natural immersive technologies and AI behavioral analysis.

It helps human factors experts, complex systems designers and innovators to assess their interaction concepts, simulate human-machine collaboration, change on the fly tests scenarios and monitor users' behaviors and cognitive states (such as workload or stress), in early steps of design.

{key features}:

- ◆ Real-time cognitive states analysis
- ◆ Dataviz with HMD integrated biosensor
- ◆ Cognitive, behavioral and subjective synchronized data from users, in order to train specific machine learning predictions
- ◆ Tangible and natural mixed reality interaction
- ◆ On-the-fly scenarios, HMI or interactions modifications
- ◆ Automatic action recognition based on user interactions
- ◆ Seamless user-centric design: create, simulate and test in the process

{methodology}:



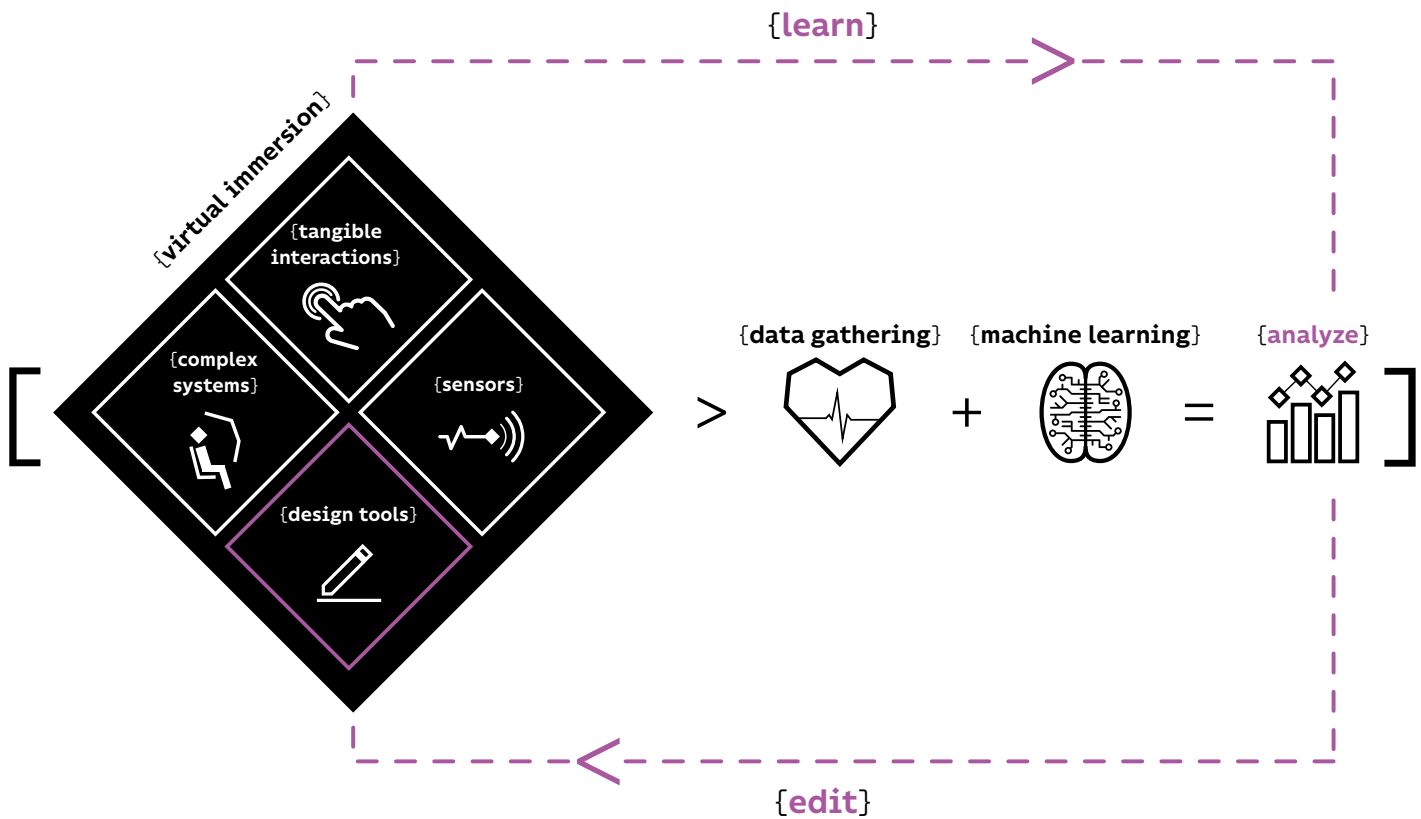
{benefits}:

- ◆ Test early
- ◆ Optimize system conception
- ◆ Reduce risks/ time to market
- ◆ Get objective and relevant assessment
- ◆ Collect behavioral data for AI interactive innovations

{applications}:



{overview}:



{about b com}:

A technology pioneer and provider for companies that want to digitally boost their competitive edge, b<>com addresses several industries: culture & creation, digital infrastructures, health, defence and industry 4.0. Its laboratories bring together talented people from a variety of disciplines and cultures in areas like artificial intelligence, immersive video and audio, content protection, 5G networks, the Internet of Things, and cognitive technologies.

b<>com's researchers and engineers, drawn from the ranks of industry and academia, work at its Rennes campus and at its sites in Paris, Brest, and Lannion.

Thanks to its world-class engineering team, its technology platforms and its unique mix of scientific and industrial knowhow, b<>com offers its clients technology solutions that give them invaluable competitive edge.

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