Augmented Intelligence refers to the increase of human abilities with the assistance of Artificial Intelligence (AI). The ultimate goal is to extend the capacity and efficiency of people.

Some use cases

**Veloh’ Prediction**
Predictive application
Brick in the wall support tool for the city of Luxembourg which provides a portal for monitoring bikes and locating available places, thanks to APIs and Machine Learning.

**Vocal assistant**
Consumer-centric tool
Offer our customers the right service, in the right place and at the right time.

**Chatbot**
Think Omni Channel
Enabling experiences, one-lining, loan simulator: the first level of interaction for a concentration of teams towards missions with high added value.

**CGI Smart Case**
Customer relationship support
Prioritization of client requests through semantic and sentimental analysis, related to AI.

Augmented Intelligence

Financial Services

We have a deep understanding of the corporate and transaction banking market, including the trends, technologies and customer expectations driving its evolution. For more than 40 years, we have been working with corporate and transaction banking clients worldwide to deliver innovation, service excellence and results.

**CGI Open Finance**
Power and extend the new banking ecosystem
It is a holistic solution for open banking, enabling the integration of traditional banks and their product-centric applications with APIs through an API and orchestration layer.

**CGI HotScan**
Reduce risk and stay ahead of the regulatory curve
An all-in-one risk management platform delivering fraud detection, transactions screening and customer due to diligence capabilities.

**CGI FUEL CARDS**
Continuous Delivery platform based on DevOps principles
A daily deployed microservice based on external data and exposing fuel consumption of a user.

Tour Your LaB Luxembourg
CGI Luxembourg S.A.
7 z. d. a. Boumschütz
L-6070 Bertrange, Luxembourg

Your LaB
The CGI LaB in Luxembourg is a new space of co-creation with you, our clients, which is used like a tool of innovation and creativity.

About CGI in Luxembourg
Partner in innovative solutions, inspiring employer
Founded in 1976, CGI is one of the world’s largest IT and business process services providers, helping clients transform into digital enterprises end to end. In Luxembourg, CGI has provided services for over 20 years in several sectors, particularly with European institutions and the public sector, but also banks, insurance companies, and manufacturing industries. With over 200 members in Luxembourg, CGI offers comprehensive and customer-centric services, driven by the reliability and stability of a worldwide operation: www.cgi.com/luxembourg

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Augmented Intelligence

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*“If my name is Lie, I allow us to experiment and populate all new cognitive technologies: natural language processing, speech synthesis, speech recognition, facial recognition, semantic analysis, or those related to learning.”*
Our engagement

Augmented reality, virtual reality, IoT, artificial intelligence, new role of the CIO... so many topics at the heart of Your LaB Luxembourg.

Our ambition: to innovate together to address your business challenges.

The added value of CGIs Your LaB Luxembourg

This space of co-creation will allow you to visualize and imagine new innovative solutions for your business while building and testing them live!

Alternative Reality (XR)

Realize and facilitate access to sometimes inaccessible or unthinkable experiences in the real world. The user is immersed into an enriched virtual or real environment, in which he/she can live alternative experiences and consume services, and information.

Virtual Reality (VR)

1. Your LaB: Simulate and prototype at low-cost
   - An innovative technique to expose your services and products while creating simulations and prototypes beyond the limits of your business.

2. Augmented and dynamic configuration of a vehicle before purchase
   - Visualize an original experience of product customization, which cannot be envisaged in the real world. Another vision on decision support.

Augmented Reality (AR)

1. CGI Hidden Cities
   - Add value to reality with a virtual reality mixed reality platform for mapping, documenting and modifying underground infrastructure through digital.

2. CGI MaEVA
   - Give your operational teams quick and effective Virtual Solution and Video Expertise that contributes to cost reduction, collaboration and operational efficiency.

3. Augmented employee
   - Provide an optimal working environment through innovation processes.

Your LaB: An integrated approach in your innovation process

Your LaB: An integrated approach in your innovation process

Continuous innovation within IT department

The main challenge is the evolution of the role of CIO and IT teams so that they go hand in hand with the digitization of companies.

Some use cases

1. Become a Business Partner to support innovation
   - Quickly identify new business opportunities and adapt its IT organization to support the digitization of the business.

2. Emerging Technologies
   - Create a competitive advantage in your company
   - Develop business opportunities and new concepts in response to business issues.

3. Cloud Ready
   - Modernize existing applications
   - is an approach to building and running applications that fully exploits the advantages of the cloud computing delivery model. Applying cloud-native approaches and tools to high-value applications in the current portfolio: DevOps, Application Portfolio Management, Micro-Services, API Management.

Our services

Augmented Intelligence

- Virtual agents, chatbots, virtual assistants
- Machine learning, automatic data analysis, classification algorithms, regression, fraud detection, forecasting
- Deep learning - Cognition, classification of images, recognition of faces / voices, language analysis, big data

Alternative reality

- Augmented reality, virtual reality, 3D printing
- Virtual reality: training, serious games, prototyping, simulations...
- Augmented reality: IoT, virtual tour, optimization of services, tools of concept...
- Real-time interactions

Financial Services

- Open Banking solution
- API Management
- Continuous innovation within IT department
  - Cloud services, microservices, cloud-ready architecture
  - IT Governance
  - Application Portfolio Management
  - Mapping and utilization of the IS
  - Intelligent Automation

Innovative mixed reality platform for mapping, documenting and modifying underground infrastructure through digital.

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Augmented Intelligence

Augmented intelligence refers to the increase of human abilities with the assistance of Artificial Intelligence (AI). The ultimate goal is to extend the capacity and efficiency of people.

Veloh’ Prediction

Predictive application

Veloh’ Prediction is a tool used by the city of Luxembourg which provides a portal for monitoring bikes and locating available places, thanks to APIs and Machine Learning.

Chatbot

Think Omni Channel

Chatbot is a consumer-centric tool allowing our customers to request appointments, chat-banking, loan simulator; the first level of interaction for a concentration of teams towards missions with high added value.

CGI Smart Case

Customer relationship support

CGI Smart Case prioritizes client requests through semantic and sentimental analysis, related to the AI.

Some use cases

Innovations in the banking sector

- CG Open Finance
  Power and extend the new banking ecosystem

- CGI HotScan
  Reduce risk and stay ahead of the regulatory curve

- CGI Fuel Cards
  Continuous Delivery platform based on DevOps principles

Financial Services

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ABOUT CGI IN LUXEMBOURG

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Our engagement

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The added value of CGIs Your LaB Luxembourg

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Virtual Reality (VR)

Your LaB: Simulate and prototype at low-cost
An innovative technique to expose your services and products while creating simulations and prototypes beyond the limits of your business.

Your LaB: Realized and dynamic configuration of a vehicle before purchase
Visualize an original experience of product customization, which cannot be envisaged in the real world. Another vision on decisional support.

Virtual Reality (VR)

Your LaB: Simulate and prototype at low-cost
An innovative technique to expose your services and products while creating simulations and prototypes beyond the limits of your business.

Augmented Reality (AR)

CGI Hidden Cities
Add value to reality through a virtual-reality platform for mapping, documenting and modifying underground infrastructure through digital.

CGI MaEVA
Design your operational landscape quickly, Maintenance Solution and Assisted Video Expertise that contributes to cost reduction, collaboration and operational efficiency.

Augmented Employee
Provide an optimal working environment through virtual reality by making the lives of your employees while adding value to their business through innovative work processes.

Alternative Reality (XR)

Realize and facilitate access to sometimes inaccessible or unthinkable experiences in the real world. The user is immersed into an enriched virtual or real environment, in which he/she can live alternative experiences and consume services, and information.

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Visualize an original experience of product customization, which cannot be envisaged in the real world. Another vision on decisional support.

Your LaB: An integrated approach in your innovation process

Partnerships

Ingenuity
- Co-creation
- Monitoring
- New products
- New business uses

Your LaB

Technological & Business Expertise
- Digitalization
- Transformation into real projects

Ecosystem of partners

Continuous innovation within IT department

The main challenge is the evolution of the role of CIO and IT teams so that they go hand in hand with the digitization of companies.

Emerging Technologies

Create a competitive advantage in your company
Innovate on technologies and new concepts in response to business issues.

Cloud Ready

Becoming cloud-ready
An approach to building and running applications that fully exploits the advantages of the cloud computing delivery model: Applying cloud-native approaches and tools to high-value applications in the current portfolio: DevOps, Application Portfolio Management, Micro-Services, API Management.

Some use cases

Become a Business Partner to support innovation
New role of the CIO
Quickly identify new business opportunities and adapt its IT organization to support the digitization of the business.

Emerging Technologies
Create a competitive advantage in your company
Innovate on technologies and new concepts in response to business issues.

Our services

Continuous innovation within IT department
- DevOps: Agile at scale, Cloud-ready architecture
- IT Governance
- Application Portfolio Management
- Mapping and urbanization of the IS
- Intelligent Automation

Alternative reality
- Augmented reality: IoT, virtual visit
- Virtual reality: training, serious games, prototyping, simulations…
- Analysis of user movement (marketing, optimization of services, tests of concept…)
- Real-time interactions

Financial Services
- API Management
- Open Banking solution
- Continuous innovation within IT department
- Augmented Intelligence
- Virtual agents, chatbots, virtual assistants
- Machine learning: automatic data analysis, classification algorithms, recognition, fraud detection, forecasting
- Deep learning: Cognitive classification of images, recognition of home / physical features, language analysis
- Big Data

Augmented Intelligence
- Virtual agents, chatbots, virtual assistants
- Machine learning: automatic data analysis, classification algorithms, recognition, fraud detection, forecasting
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Augmented Intelligence refers to the increase of human abilities with the assistance of Artificial Intelligence (AI). The ultimate goal is to extend the capacity and efficiency of people.

Augmented Intelligence:

- "Augmented intelligence is a tool of innovation and creativity.
- "Augmented intelligence refers to the increase of human abilities with the assistance of Artificial Intelligence (AI). The ultimate goal is to extend the capacity and efficiency of people.

Some use cases:

- **Augmented Intelligence**:
  - **Predictive application**:
    - Enhances support tool for the city of Luxembourg which provides a portal for monitoring bikes and locating available places, thanks to APIs and Machine Learning.
  - **Personal assistant**:
    - Customer-centric tool for our customers: the right service, in the right place and at the right time.
  - **Chatbot**:
    - Personal assistant: chatbot for customer relationship support through natural language processing and sentiment analysis.
  - **Vocal assistant**:
    - Consumer-centric tool: offer our customers the right service, in the right place and at the right time.

- **Financial Services**:

- **Some use cases**:

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Our engagement

Augmented reality, virtual reality, IoT, artificial intelligence, new role of the CIO... so many topics at the heart of Your LaB Luxembourg. Our ambition: to innovate together to address your business challenges.

The added value of CGIs Your LaB Luxembourg

This space of co-creation will allow you to visualize and imagine new innovative solutions for your business while building and testing them live.

Your LaB: An integrated approach in your innovation process

1. Augmented Reality (AR)
   - CGI Hidden Cities: Add value to reality. Potential virtual reality platform for mapping, documenting and modifying underground infrastructure through digital.
   - CGI MaEVA: Give your operational maintenance a quick, cost reducing boost that contributes to operational efficiency.
   - Augmented employee: Provide an optimal working environment for your employees while adding value to their business through innovative work processes.

2. Virtual Reality (VR)
   - Your LaB: Simulate and prototype at low-cost. An innovative technique to expose your services and products while creating simulations and prototypes beyond the limits of your business.

3. Continuous Innovation within IT department
   - Augmented Intelligence
     - Virtual agents: chatbots, virtual assistants
     - Machine learning: automatic data analysis, classification algorithms, regression, fraud detection, forecasting
     - Deep learning: Cognitive: classification of images, recognition of home / face / hand, language analysis
     - Big Data
   - Alternative reality
     - Augmented reality, IoT, virtual visit
     - Virtual reality: training, serious games, prototyping, simulations...
     - Analysis of user movement (marketing, optimization of services, tests of concept...)
     - Real-time interactions
   - Financial Services
     - API Management
     - Open Banking solution
   - Continuous innovation within IT department
     - DevOps: Agile at scale, Cloud ready architecture
     - IT Governance
     - Application Portfolio Management
     - Mapping and urbanization of the IS
     - Intelligent Automation

Some use cases

1. Become a Business Partner to support innovation
   - New role of the CIO
     - Quickly identify new business opportunities and adapt its IT organization to support the digitization of the business.
   - Emerging Technologies
     - Create a competitive advantage in your company through emerging technologies and new concepts in response to business issues.
   - Cloud Ready
     - Transform existing applications
       - API Management
       - Open Banking solution
       - Infrastructure Management
       - Mapping and urbanization of the IS
       - Intelligent Automation

Our services

1. Augmented Intelligence
   - Virtual agents: chatbots, virtual assistants
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Virtual Reality (VR)
Your LaB
Simulate and prototype at low-cost
An innovative technique to expose your services and products while creating simulations and prototypes beyond the limits of your business.

Orchestrate and dynamic configuration of a vehicle before purchase
Realize an original experience of product customization, which cannot be envisaged in the real world. Another vision on decision support.

Augmented Reality (AR)
CGI Hidden Cities
Add value to reality
Alternative mixed reality platform for mapping, documenting and modifying underground infrastructure through digital.

CGI MaEVA
Governing your operational efficiency quickly. Maintenance Solution and Assisted Video Expertise that contributes to cost reduction, collaboration and operational efficiency.

Augmented employee
Provide an optimal working environment by improving the lives of your employees while adding value to their business through innovative work processes.

Alternative Reality (XR)

Continuous innovation within IT department
The main challenge is the evolution of the role of CIO and IT teams so that they go hand in hand with the digitization of companies.

Some use cases
Become a Business Partner to support innovation
New role of the CIO
Quickly identify new business opportunities and adapt its IT organization to support the digitization of the business.

Emerging Technologies
Create a competitive advantage in your company
Understand emerging technologies and new concepts in response to business issues.

Cloud Ready
Transform existing applications
An approach to building and running applications that fully exploits the advantages of the cloud computing delivery model. Applying cloud-native approaches and tools to high-value applications in the current portfolio: DevOps, Application Portfolio Management, API Management.

Our services
Augmented Intelligence
• Digital twins
• Virtual agents
• Machine learning
• Deep learning

Financial Services
• Open Banking solution
• Continuous innovation in IT department

IT Governance
• Approach to IT governance in the cloud
• Mapping and urbanization of the IS
• Intelligent Automation

Your LaB: An integrated approach in your innovation process

Partnerships

1

2

3

4

5

Innovation
Co-creation
Monitoring
New products
New business use

Technological & business expertise
Valuable projects in less than 3 months
Ecosystem of partners

Your LaB

Digital, IS, Business direction
Excellence, Accessibility POC
Demonstration
Application Studies
Benchechmarking

Project training

Industrialization
Transformation into real projects

KNOWLEDGE
of an integrator
Technological
& business
EXPERTISE
DELIVER
projects in less
than 3 months
ECOSYSTEM
of partners

Continuous innovation within IT department
The main challenge is the evolution of the role of CIO and IT teams so that they go hand in hand with the digitization of companies.

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### Some use cases

#### Veloh’ Prediction
Predictive application

A web-based tool for the city of Luxembourg which provides a portal for monitoring bikes and locating available places, thanks to APIs and Machine Learning.

#### Vocal assistant
Consumer-centric tool

Offer our customers the right service, in the right place and at the right time.

#### Chatbot
Think Omni Channel

Making appointments, chat-banking, loan simulator; the first level of interaction for a concentration of teams towards missions with high added value.

#### CGI Smart Case
Customer relationship support

Prioritization of client requests through semantic and sentimental analysis, related to the AI.

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Reduce risk and stay ahead of the regulatory curve

A holistic solution for regulatory compliance.

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Continuous Delivery platform based on DevOps principles

A daily deployed microservice based on external data and exposing fuel consumption of a user.

### Visit Your LaB Luxembourg

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