

# CORPORATE DOCUMENTATION

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**IGE+XAO**  
GROUP

Shaping the Future  
of the Electrical PLM,  
CAD and Simulation

N  
PE

*"If the presence of electricity*

*can be made visible*

*in any part of the circuit,*

**We**



**Samuel**

**Morse**

*I see no reason why intelligence*

*may not be transmitted*

*instantaneously by electricity." (1832)*

# The IGE+XAO Group

Historically, the Group began by developing, selling and maintaining CAD (Computer Aided Design) software dedicated to the electrical industry. Electrical CAD software applications are used to design and maintain the electrical side of manufacturing processes and end products. Today, CAD is the main business of the Group and represents 70% of its revenue.

From the late 90's, the IGE+XAO Group has started the development of a software suite covering the overall requirements of the electrical harnesses design market. This new market has led the Group to start building, as early as 2005, a complete and dedicated PLM (Product Lifecycle Management) software range. These solutions have attracted numerous global players in aerospace and transportation such as Airbus, Embraer or Alstom.

Since mid-2014, with the purchase of Prosyst, IGE+XAO offers a complete software range for electrical functional simulation.



	<b>31 locations in 20 countries</b>		<b>More than 93.000 licences sold</b>
	<b>33 years of experience</b>		<b>370 employees</b>
	<b>Listed on NYSE Euronext since March 1997</b>		

## Headquarters

Colomiers, France

## Subsidiaries

Belgium  
Brazil  
Bulgaria  
Canada  
China  
Denmark  
France  
Germany  
Greece  
India  
Italy  
Morocco  
Netherlands  
Poland  
Spain  
Switzerland  
Tunisia  
Turkey  
UK  
USA

## R&D

Bulgaria  
Denmark  
France  
Morocco  
Poland  
Tunisia

## Support

Bulgaria  
Brazil  
Canada  
China  
France  
Morocco  
Poland

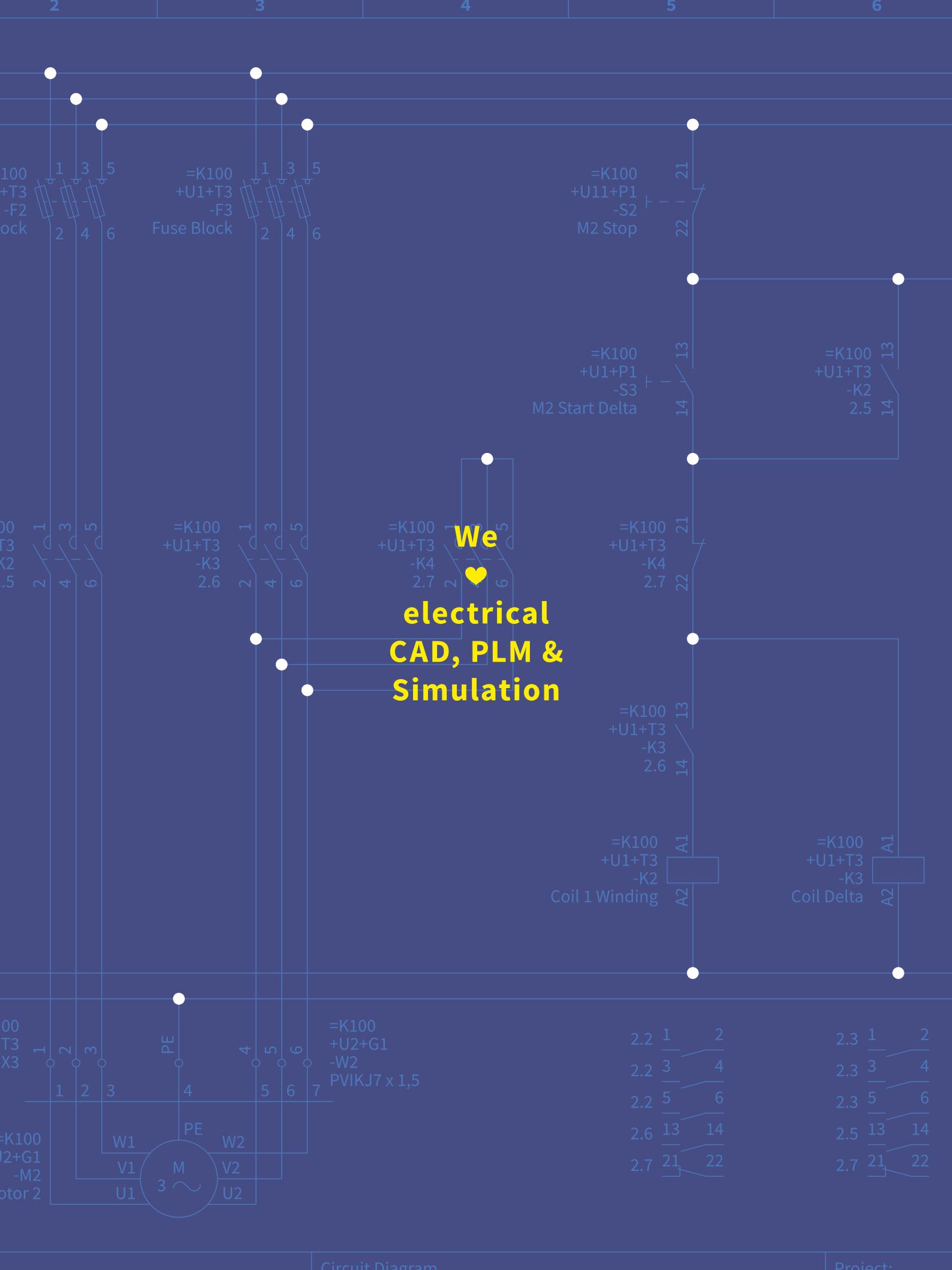
## Partners

Albania  
Armenia  
Austria  
Australia  
Azerbaijan  
Belarus  
Bosnia and  
Herzegovina  
China  
Colombia  
Croatia  
Czech Republic  
Hungary  
Indonesia  
Kazakhstan  
Kosovo  
Kyrgyzstan  
Macedonia  
Malaysia  
Moldova  
Montenegro  
New Zealand  
Uzbekistan  
Portugal  
Romania  
Russia  
Serbia  
Singapore  
Slovakia  
Slovenia  
Tajikistan  
Thailand





**A strong  
international  
presence**



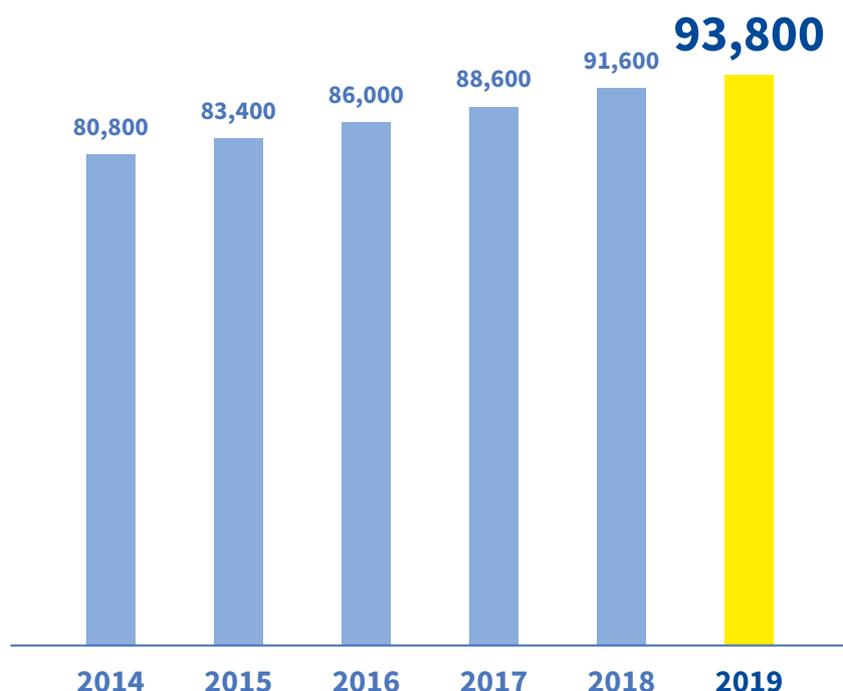
We ❤️  
**electrical  
 CAD, PLM &  
 Simulation**

# An important customer base

Our 43,000 customers worldwide belong to a wide range of industries including:

- ▶ Automotive
- ▶ Transportation
- ▶ Power generation
- ▶ Electrical and electronic equipment
- ▶ Food, chemical and steel industries
- ▶ Building and public works
- ▶ Engineering
- ▶ Machine building
- ▶ Automation
- ▶ etc.

## Number of licences sold



# A strong presence in 8 industries

## 8 strategic markets

In each identified market, IGE+XAO covers the requirements with a complete range of modular products.



**Aerospace**



**Automotive**



**Railway**



**Shipbuilding**



**Equipment & Machinery**



**Automation & Plant**



**Power generation & Energy**



**Construction**

## 6 business domains



**System design**



**Data management**



**Electrical design**

(the core business of IGE+XAO)



**Communication**

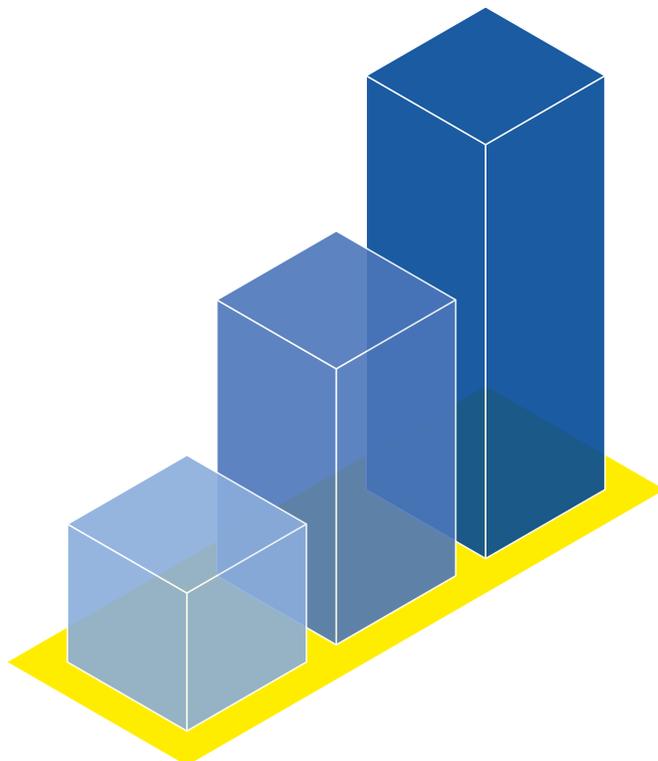


**Electrical manufacturing**

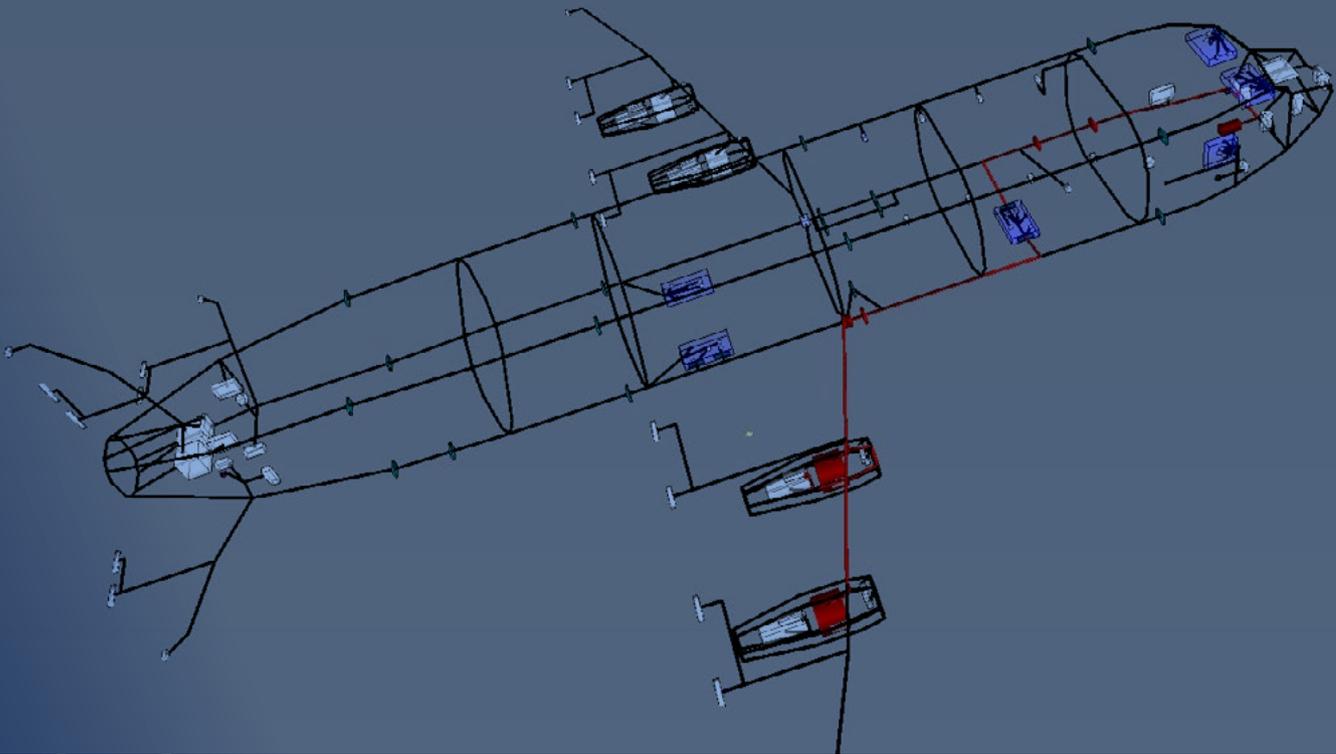


**Simulation and diagnostic**

## Solutions for all company sizes



- Key Accounts
- Small and Medium Businesses
- Very Small Businesses



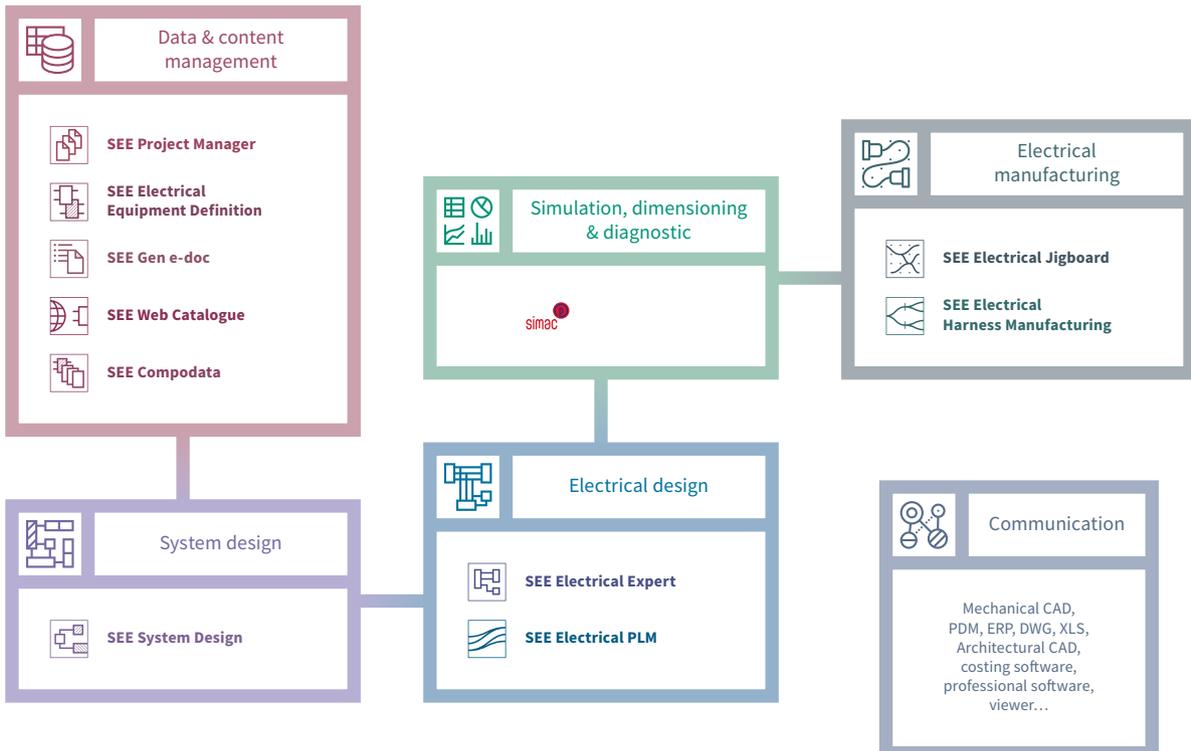
## Aerospace

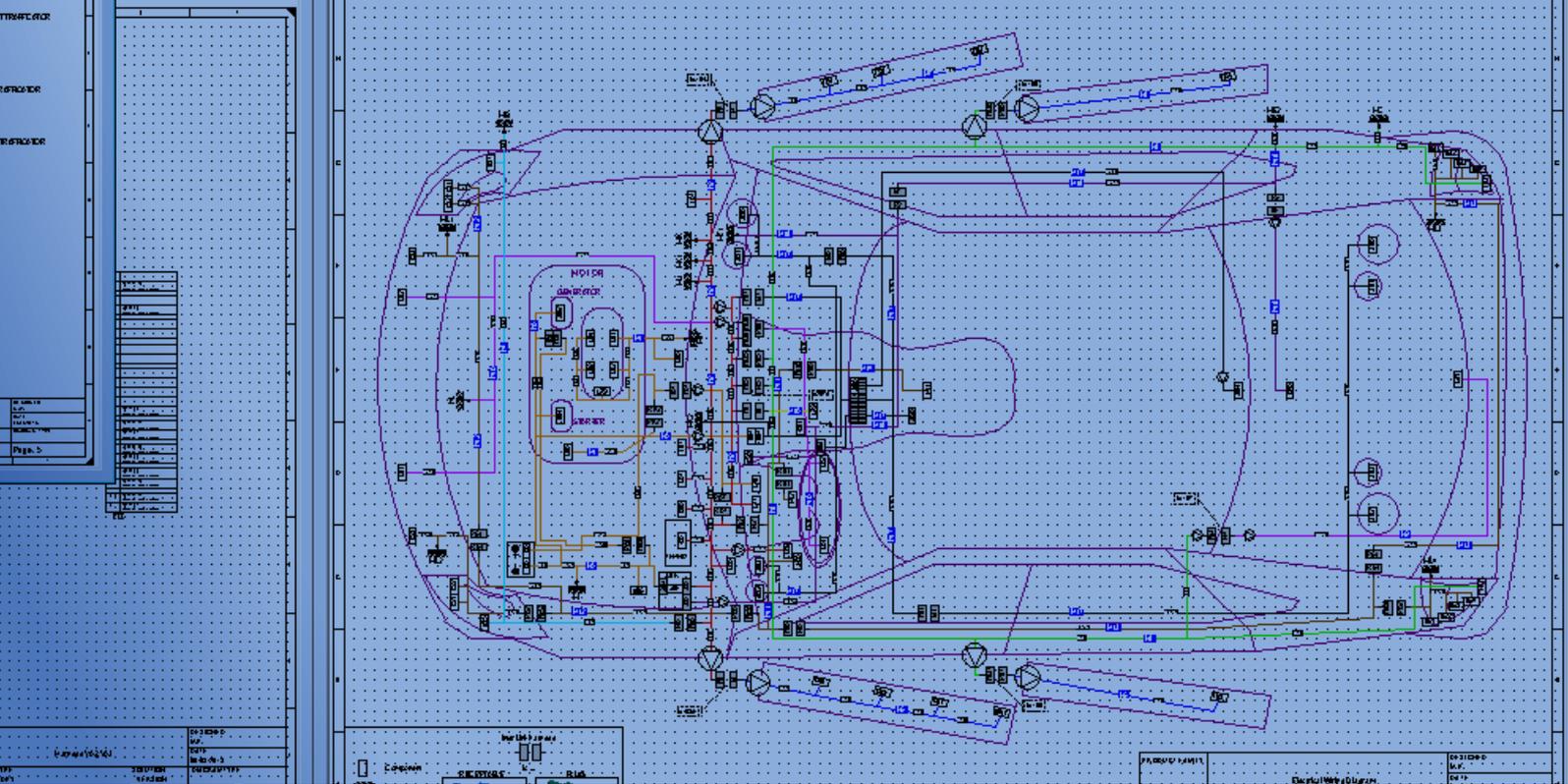
### Market requirements

- More electrical aircraft
- Increasing numbers of components
- Numerous configurations to support
- More and more complex cabling
- Heterogeneous software tools
- Production time reduction

### IGE+XAO answers

- **Powerful PLM (Product Lifecycle Management) suite**
- **Complete solution from design to manufacturing**
- **High level of integration**
- **Scalable solutions (from stand alone to PLM)**
- **Configuration management**





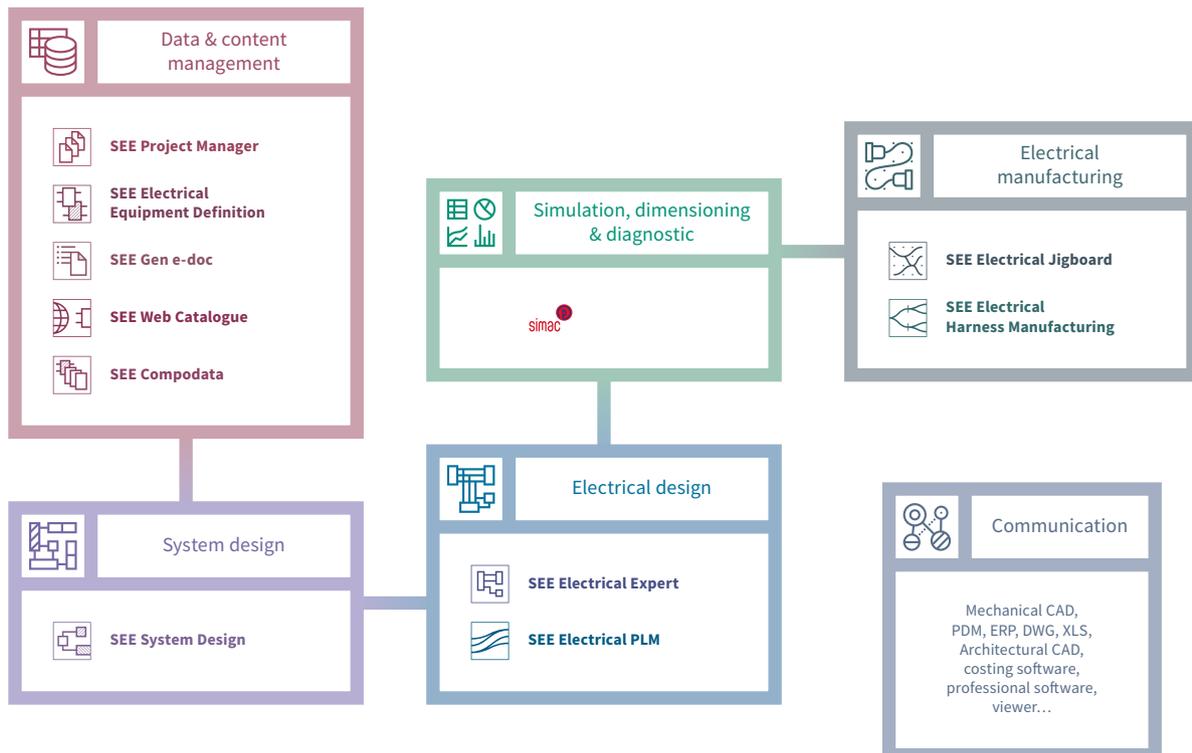
## Automotive

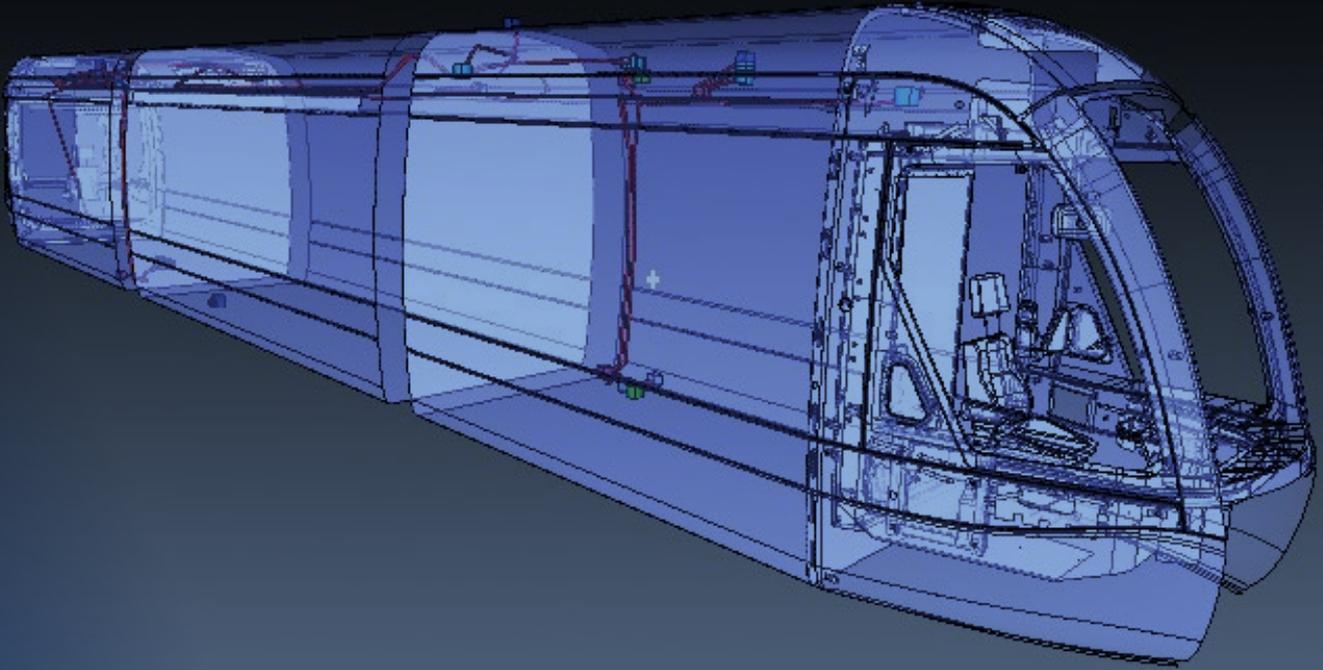
### Market requirements

- Hybrid vehicle technologies
- Shorter development time
- Options management
- Increasingly complex electronic content

### IGE+XAO answers

- **Powerful PLM (Product Lifecycle Management) suite**
- **Automotive specific functions**
- **High level of integration**
- **Configuration management (options and variants)**



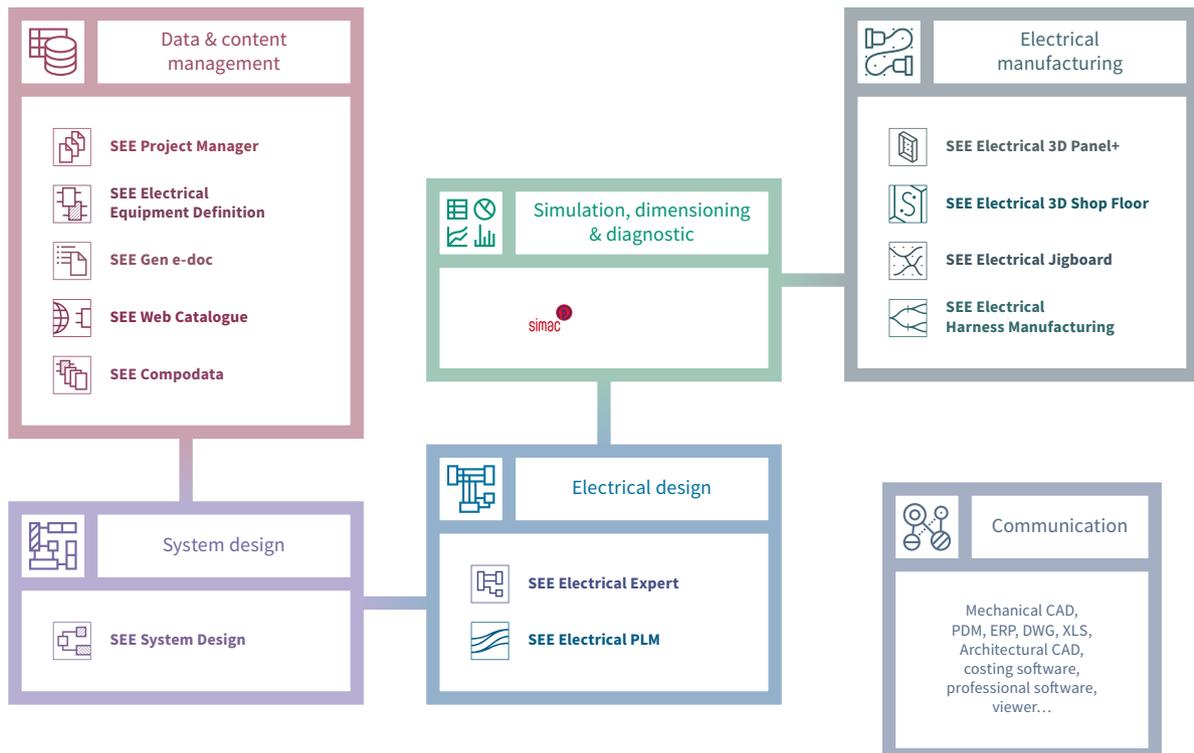


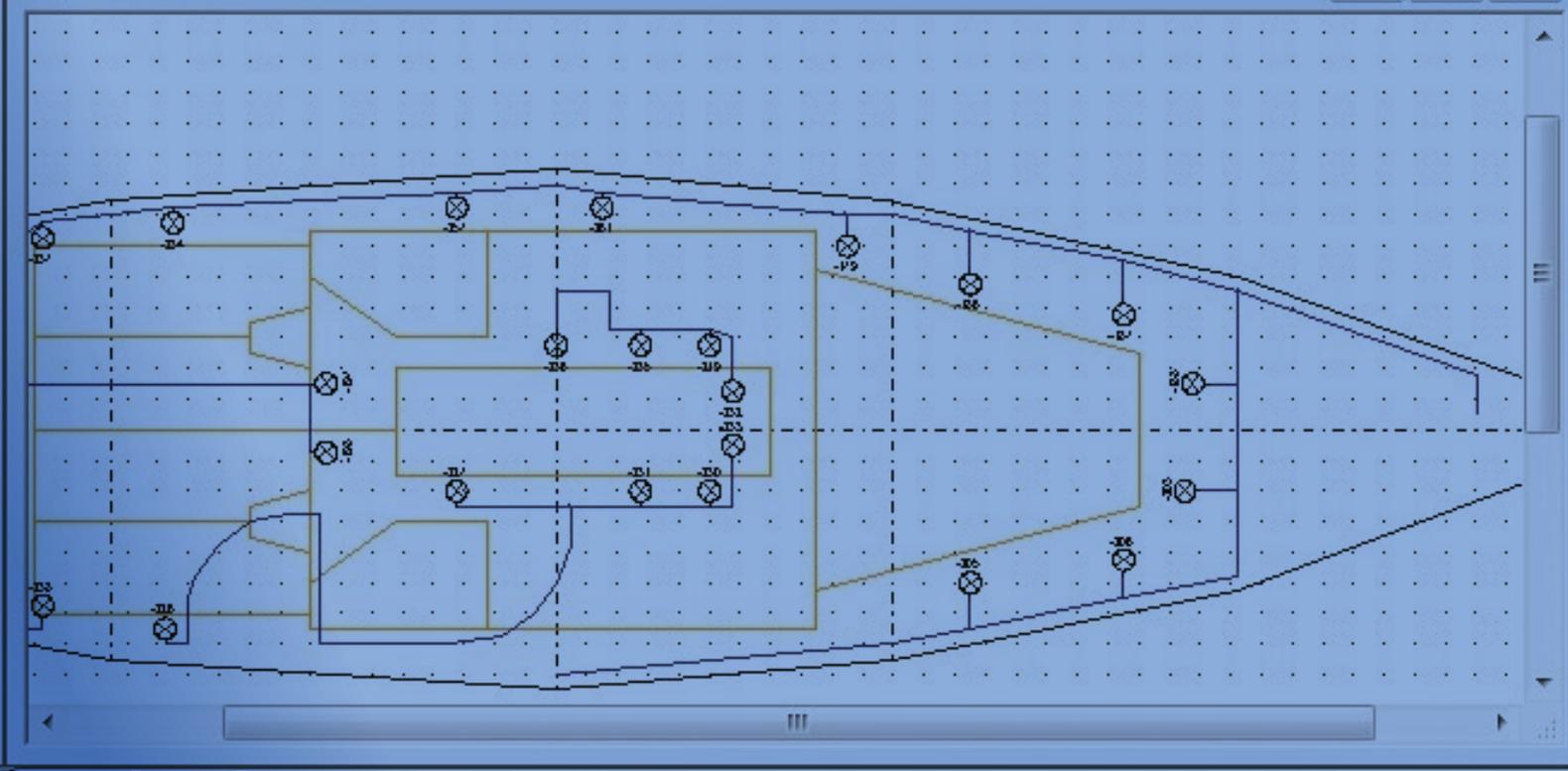
### Market requirements

- “Intelligent train”
- Equipment reliability
- Safety
- Eco efficiency
- Additional comfort and services

### IGE+XAO answers

- **Powerful PLM (Product Lifecycle Management) suite**
- **Railway specific functions**
- **High level of integration**
- **Traceability**
- **Configuration management**





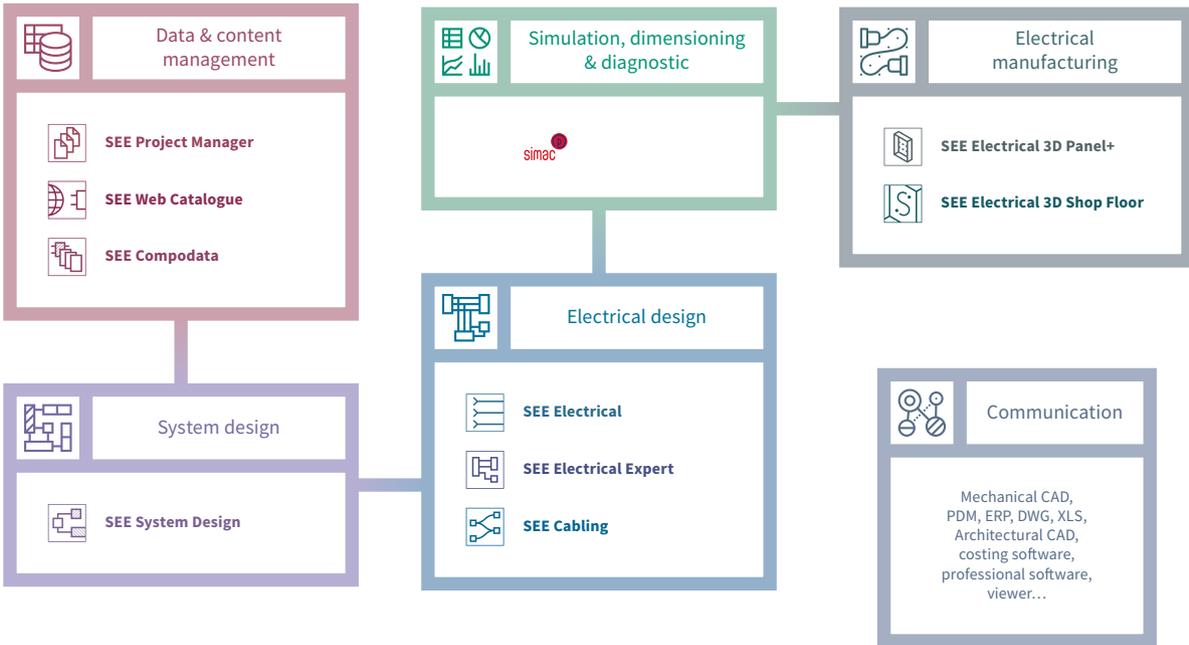
# Shipbuilding

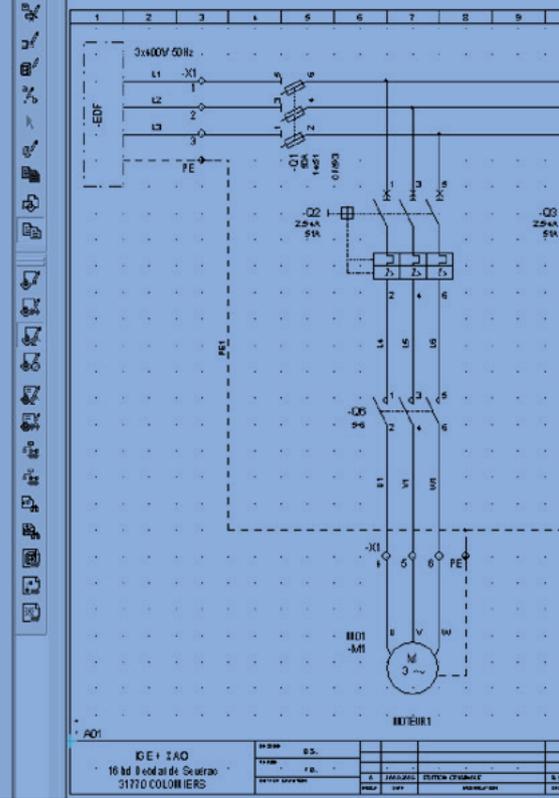
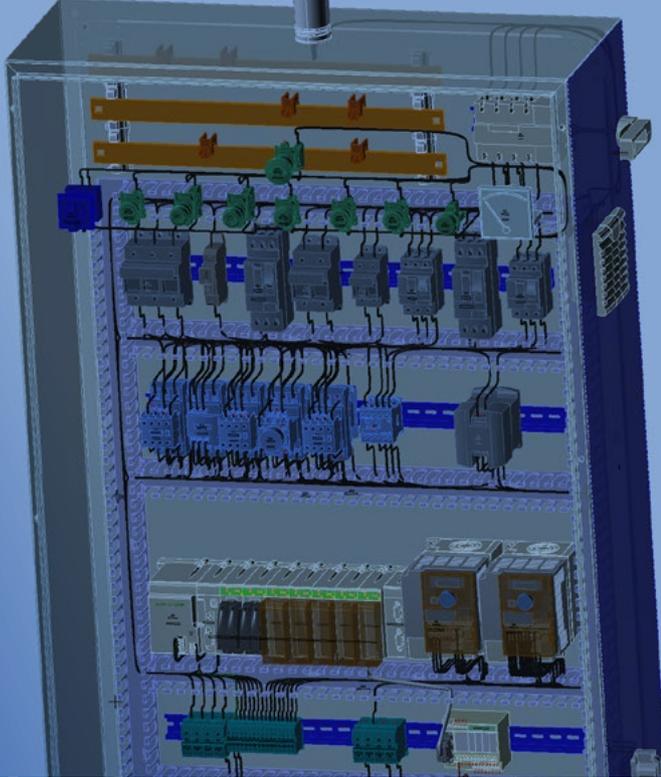
## Market requirements

- "Smart" ship
- Increasing number of equipment
- Operational condition guarantee
- Ship lifelong evolutions
- Cost optimization

## IGE+XAO answers

- Complete Visio-based offer that goes from functional design to schematics and cabling generation
- Communication capabilities (PLM and CAD integration)
- Collaborative design
- Multi function (hydraulics, pneumatics, electrical...)
- Configuration management (options and variants, versioning/maturity)





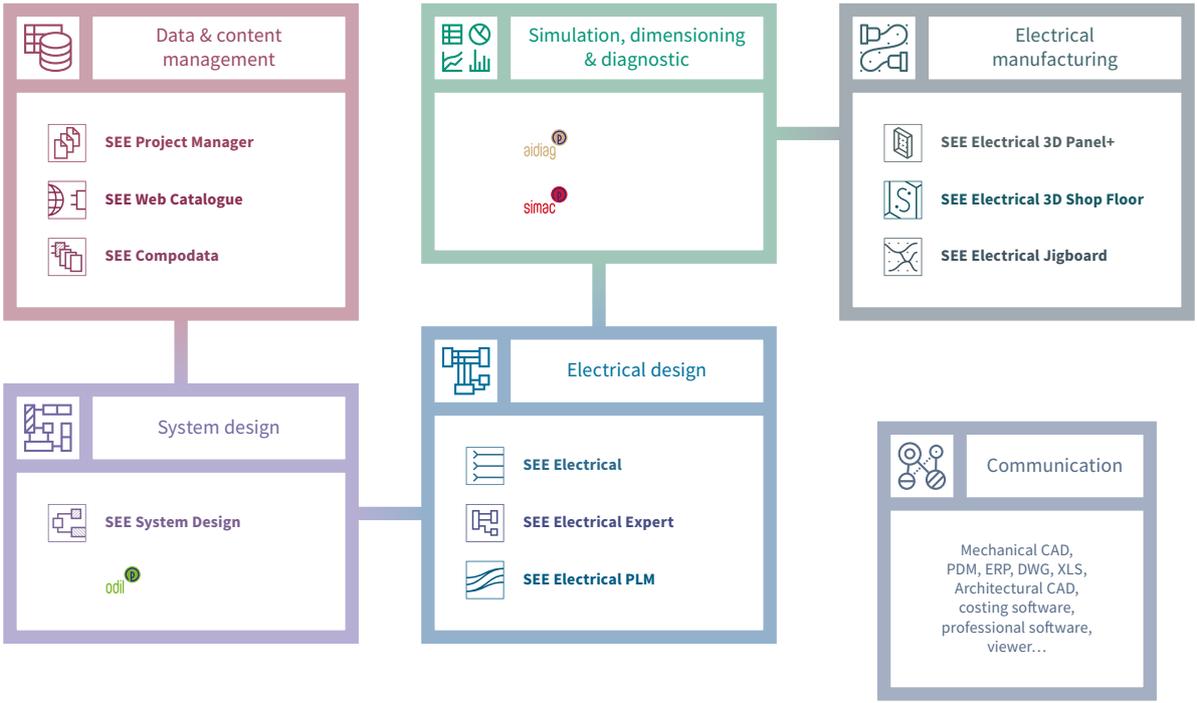
# Equipment & Machinery

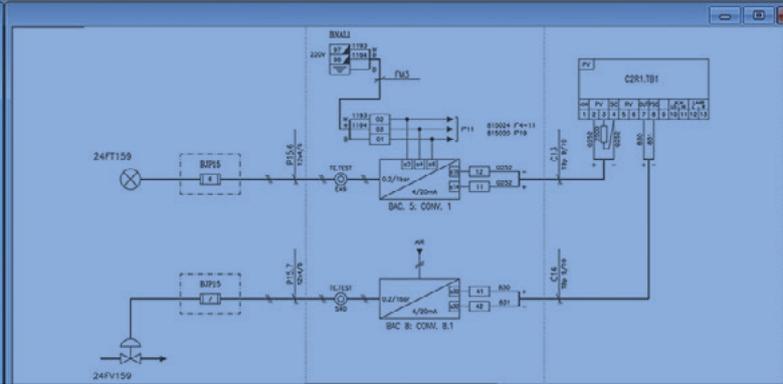
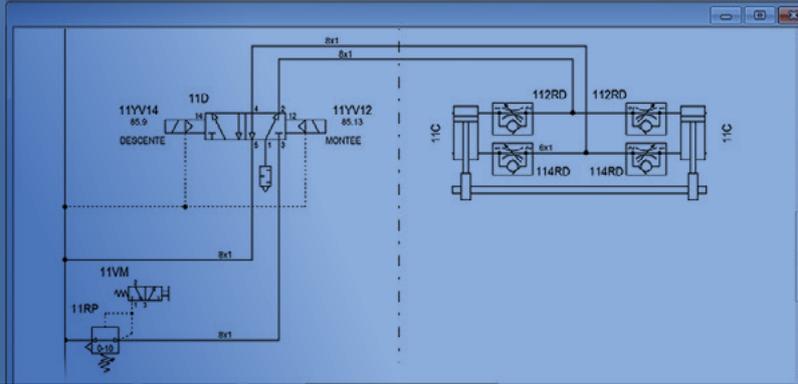
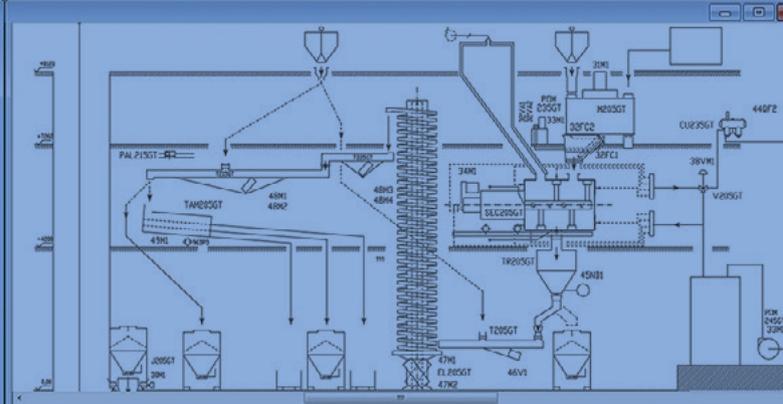
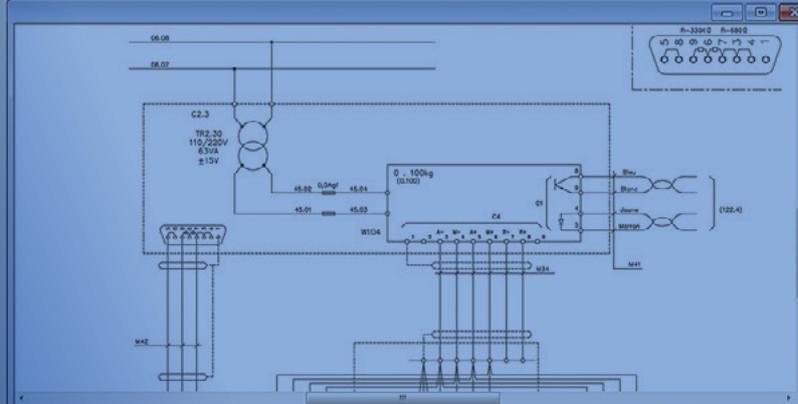
## Market requirements

- More and more complex equipment
- Customization
- Reliability

## IGE+XAO answers

- Solutions for all company sizes
- One of the most complete product ranges on the market
- Communication capabilities
- Customizable and scalable solutions
- Expertise from large customer base
- Strong partnership with key electrical equipment players
- Wire harnesses expertise
- Automatic schematic generation





# Automation & Plant

## Market requirements

- Lifetime cost optimization
- Reliability
- Predictive maintenance
- Flexibility

## IGE+XAO answers

- Solutions for all company sizes
- One of the most complete offer on the market
- Communication capabilities
- Best-in-class features
- Complete environment (CEI, IEC, symbols...)
- Customizable and scalable solutions
- "Easy to use" software
- Expertise from large customer base
- Quality verification functions

**Data & content management**

- SEE Project Manager
- SEE Web Catalogue
- SEE Compdata

**Simulation, dimensioning & diagnostic**

aidiag  
simac

**Electrical manufacturing**

- SEE Electrical 3D Panel+
- SEE Electrical 3D Shop Floor

**System design**

- SEE System Design

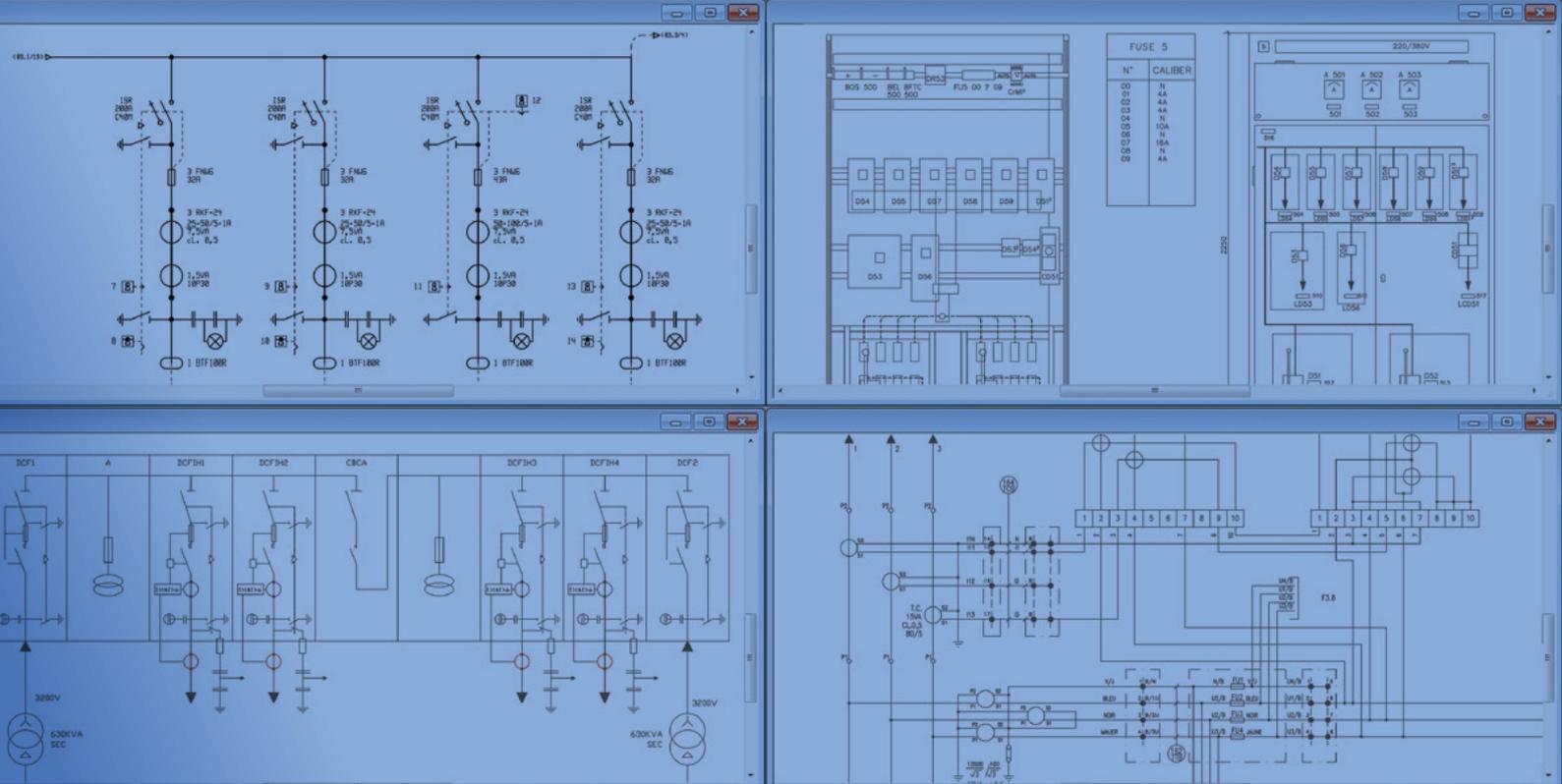
odii

**Electrical design**

- SEE Electrical
- SEE Electrical Expert
- SEE Electrical PLM

**Communication**

Mechanical CAD, PDM, ERP, DWG, XLS, Architectural CAD, costing software, professional software, viewer...



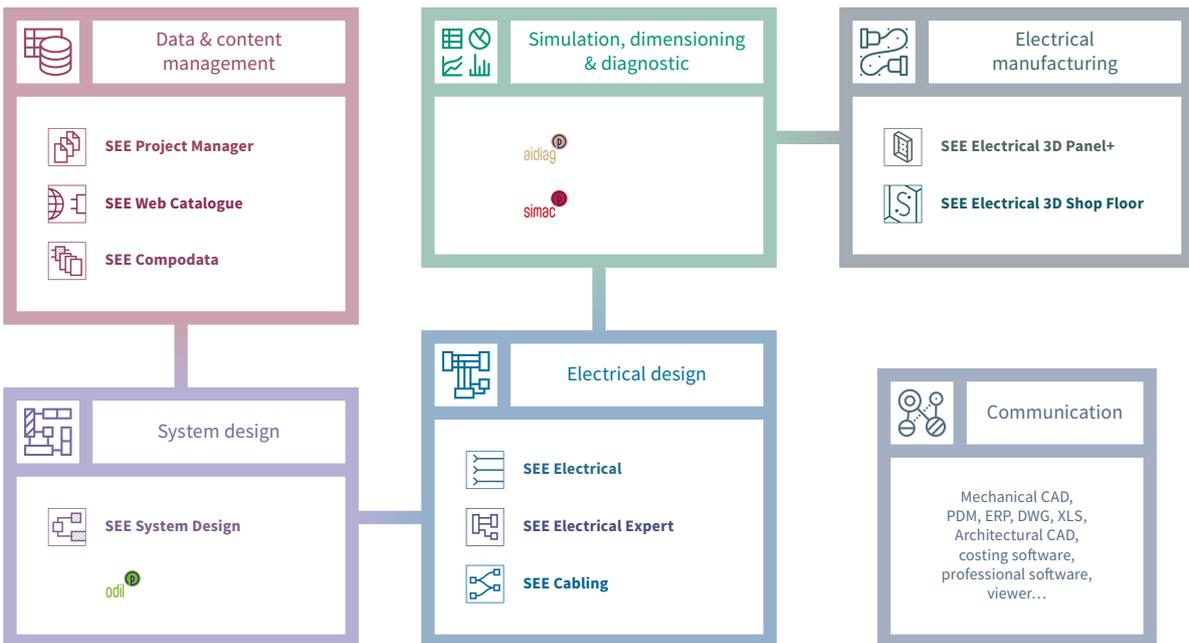
## Power Generation & Energy

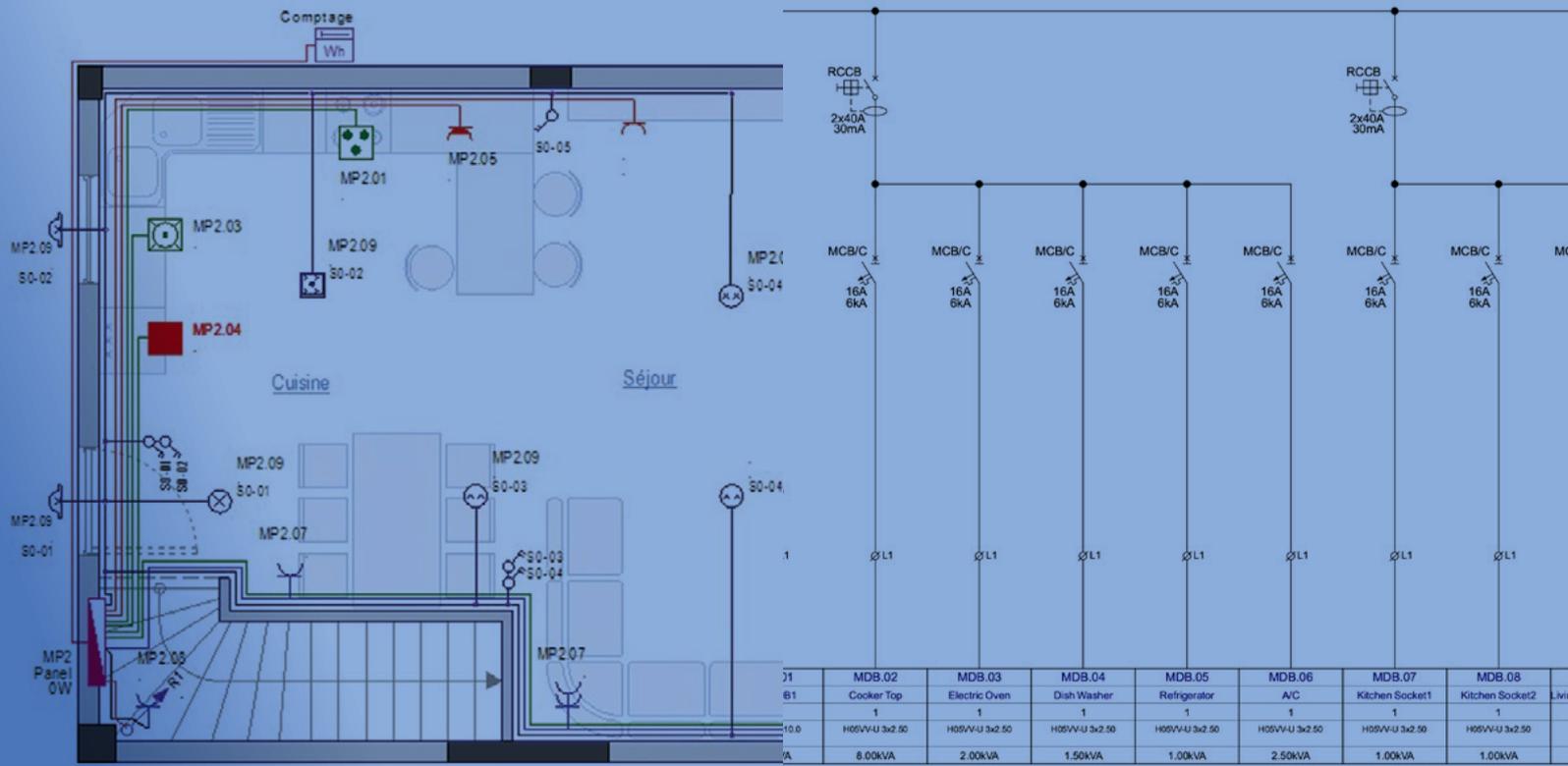
### Market requirements

- Safety
- Alternative & sustainable energies
- Smart supply and demand
- Smart grid
- 24/7 operations
- Environmental regulations

### IGE+XAO answers

- Complete offer from a powerful Visio-based offer to “on-the-shelf” easy to use packages
- Communication capabilities
- Collaborative solution
- Customizable and scalable solutions





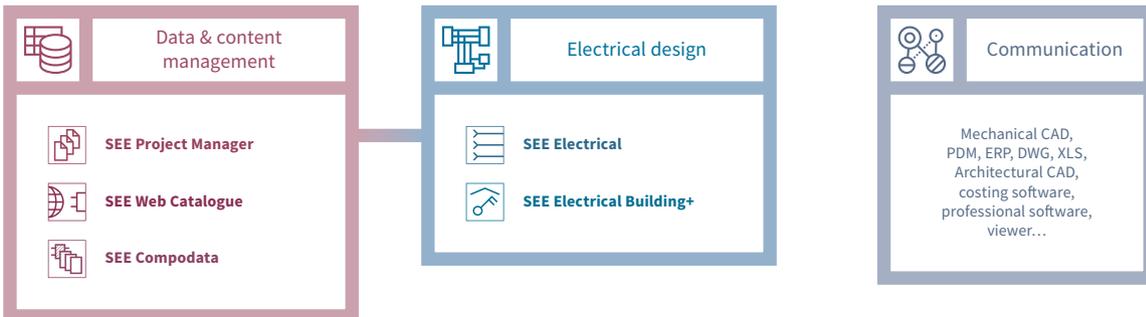
## Construction

### Market requirements

- Smart buildings
- Increasing number of equipment (datacom)
- Importance of standards/regulations

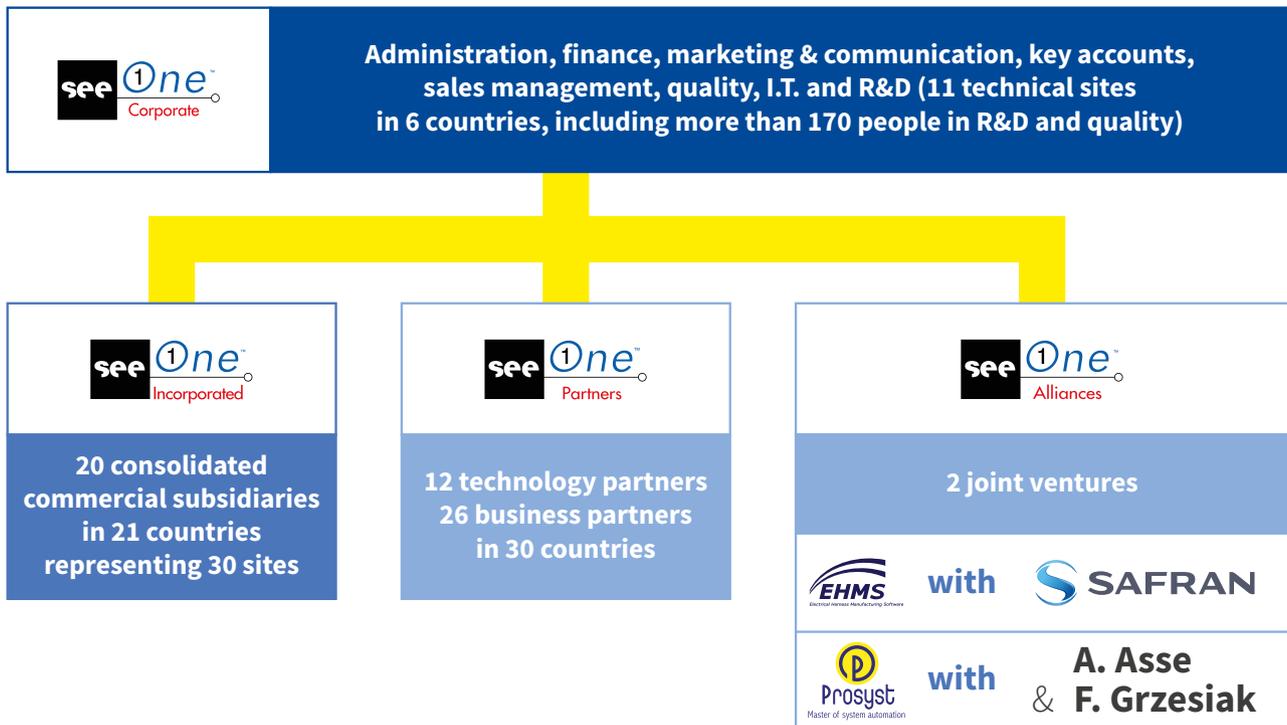
### IGE+XAO answers

- Automatic schematic generation
- "All in one" product
- Easy-to-use calculation package
- Communication capabilities



# An organization built around our clients

In response to the market fast-moving needs, the IGE+XAO Group has put in place an “extended enterprise” organization.



# Value-added services

## **Training sessions adapted to clients' needs and worldwide telephone helpline.**

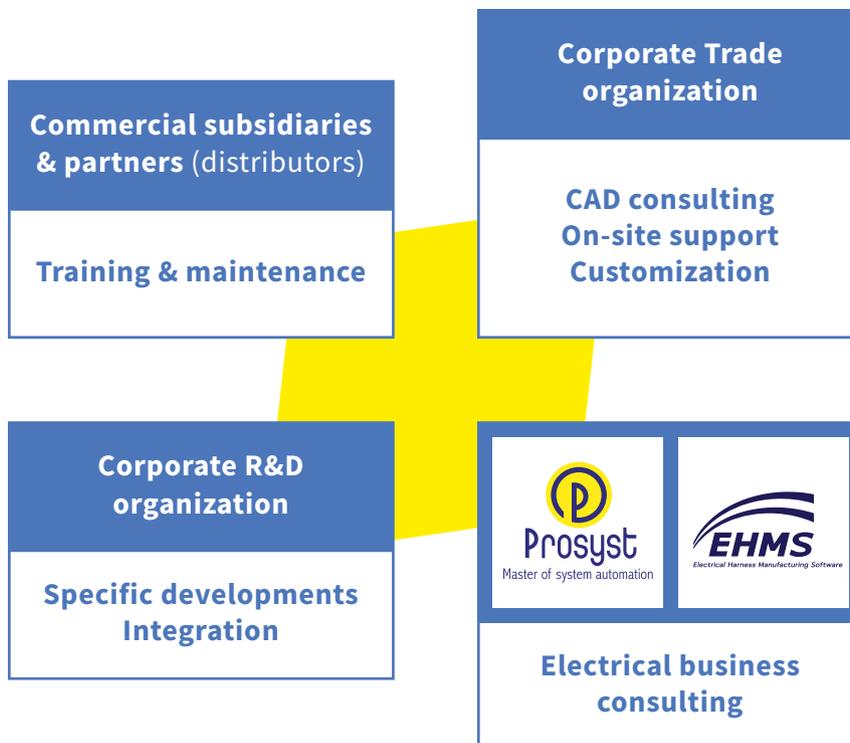
Over 70 experts are available to our clients for in more than 12 languages throughout the world.

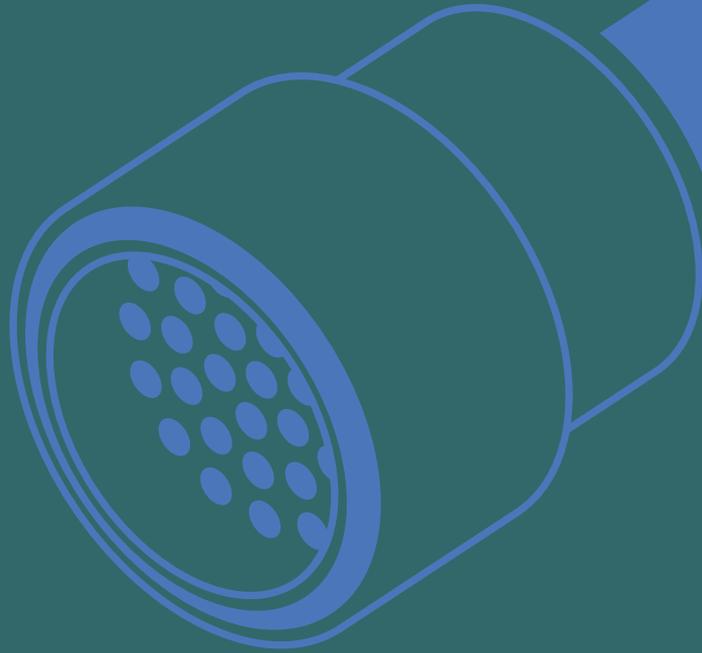
## **Dedicated team to customize the software to our clients' needs.**

The "Assistance+" team supports our clients in implementing and integrating IGE+XAO solutions. Our R&D team also provides specific developments as well as integration services.

## **Value-added consulting.**

Prosynt also provides consulting services around electrical simulation and diagnostic.





We  
♥  
harness  
design

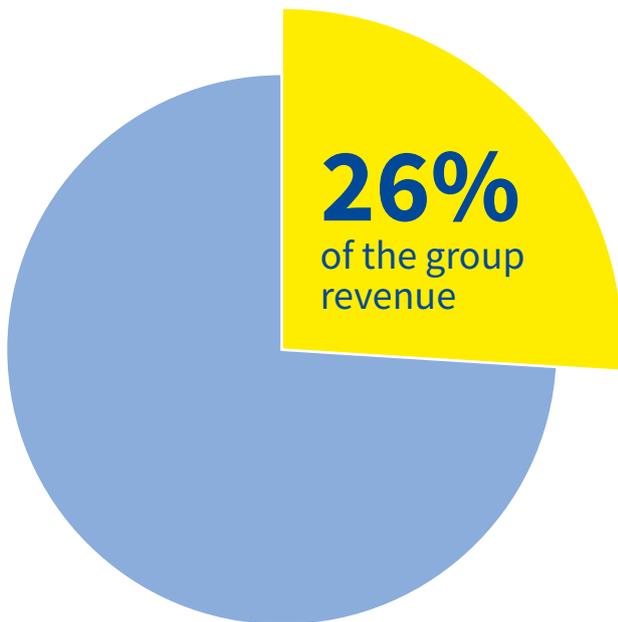


# Research & Development

## Innovation

140 people focused on Electrical CAD and PLM, Design, test and quality

## R&D activity 2019



## R&D program

### Business

- Automatic generation of schematics
- Automatic cabling
- System engineering
- Harness manufacturing
- Dimensioning
- Simulation
- Content management
- etc.

### Technology

- Concurrent engineering
- Product lifecycle management (PLM)
- Product data management (PDM)
- Cloud applications
- 3D
- etc.

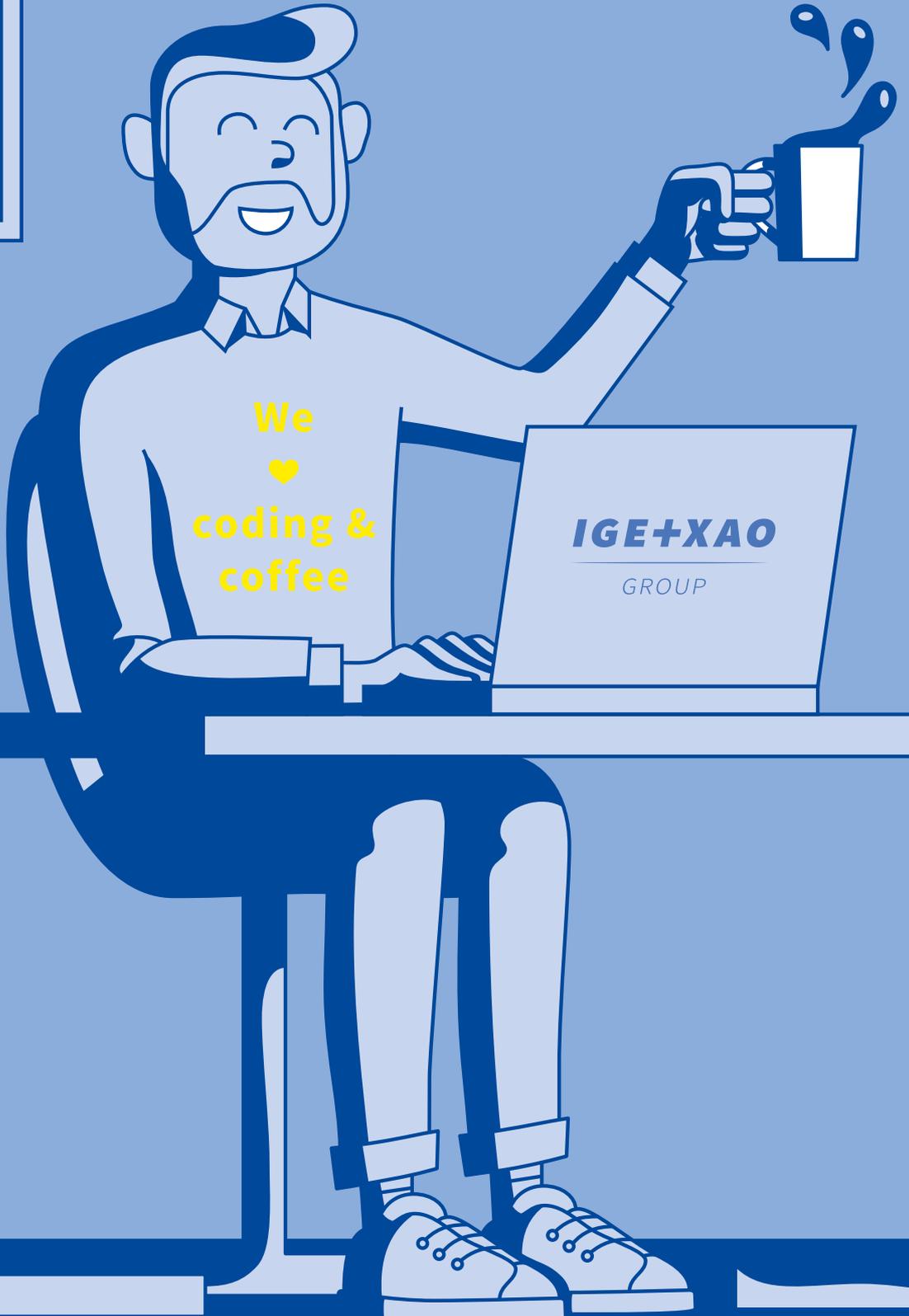
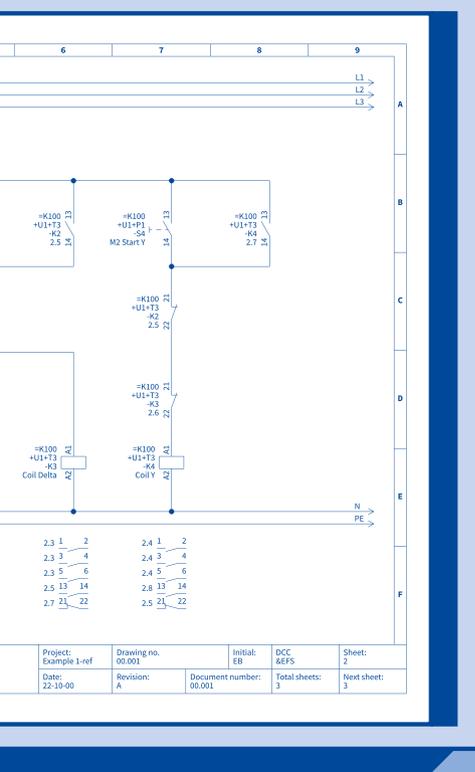
# Human Resources

## Strong values

Strong and shared values are key to the Group success.

- **Customer first**
- **Dare to disrupt**
- **Embrace different**
- **Learn everyday**
- **Act as owners**





We  
♥  
coding &  
coffee

**IGE+XAO**  
GROUP

# Locations

## IGE+XAO Headquarters – France

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31 770 **Colomiers** CEDEX  
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**Taubaté**, São Paulo  
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Centre Étoile Valentine  
20 Traverse de la Montre  
CS 30 035  
13 396 **Marseille** CEDEX 11  
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30 rue des frères Dana  
59 300 **Valenciennes**  
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33-100 **Tarnów**  
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34-100 **Wadowice**

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