

**OUR MAIN
LIFE SCIENCES
CUSTOMERS**

ACTIVE PHARMACEUTICAL
INGREDIENT

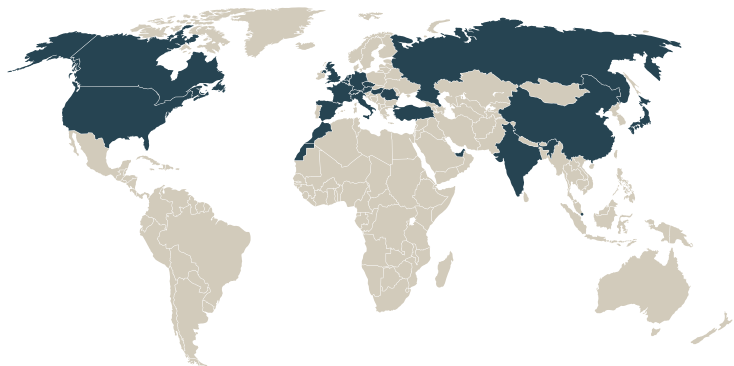
BIOTECHNOLOGICAL

CONTRACT MANUFACTURING
ORGANISATION

MEDICAL DEVICES

PHARMACEUTICAL

A NETWORK THAT BRINGS PEOPLE TOGETHER



AUSTRIA ■ **BELGIUM** ■ **CANADA** ■ CHINA ■ CZECH REPUBLIC ■ **FRANCE** ■ **GERMANY** ■
HUNGARY ■ INDIA ■ **ITALY** ■ JAPAN ■ MOROCCO ■ NETHERLANDS ■ ROMANIA ■ RUSSIA
■ SINGAPORE ■ **SPAIN** ■ **SWITZERLAND** ■ **TURKEY** ■ UNITED ARAB EMIRATES ■ **UNITED
KINGDOM** ■ **UNITED STATES**

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AKKA

Life
Sciences

LIFE SCIENCES

**AKKA, YOUR PARTNER
FOR PROJECTS
OF TRANSFORMATION
IN LIFE SCIENCES**



OUR DISTINCTIVE STRONG POINTS

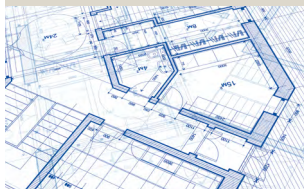
- **AKKA Research**, a dedicated R&D organization with 21 Operational Centers
- **The AKKAdeMy**, an in-house international training facility for high-potential engineering talent
- **Our cross-fertilization capabilities**, transferring mature and proven technologies to the Life Sciences industry
- **Our innovation & digital expertise**
- **A capacity to provide innovative, tailor-made solutions**

SUCCESS STORIES

- Design and support to create a smart manufacturing site
- Implementation of continuous manufacturing solutions
- Execution of calibration and validation annual program
- GMP training program
- Implementation of an antibody production line
- Documentary review of the qualification of production and laboratory equipment to prepare for a FDA inspection

AKKA SUPPORTS ALL YOUR PROJECTS WITH PASSION, EXPERIENCE AND FLEXIBILITY

ENGINEERING STUDIES, SPECIFICATIONS & DESIGN



SERVICES

- Feasibility studies
- Conceptual design
- Basic design
- Detailed design
- Health, Safety & Environment
- Project monitoring/ construction
- Procurement management

COMMISSIONING, QUALIFICATION & VALIDATION



SERVICES

- Commissioning
- Qualification of buildings, equipment, utilities & systems
- Validation of processes (chemical, biotechnology, cleaning, sterilization, transport...)
- Production support

MAINTENANCE ENGINEERING



SERVICES

- Re-qualification program
- Calibration program
- Corrective, preventive and predictive maintenance

REGULATORY AFFAIRS & QUALITY ASSURANCE



SERVICES

- Writing and follow-up of regulatory files, variations...
- Registration with Authorities
- Operational QA
- System QA
- Supplier QA
- Pharmacovigilance
- Documentation compliance
- Audits & inspections

DESIGN & CERTIFICATION OF MEDICAL DEVICES



SERVICES

- Product engineering
- Development & validation of critical embedded software
- Information Technologies
- Process engineering (Industrialization)
- Quality Assurance/ Regulatory Affairs

- Project Management
- Computer System Validation
- Operational Excellence & Production Support
- Lean, OEE, Improvement of Industrial Performance
- Supply Chain & Logistics
- Procurement

DIGITAL EXPERTISE

- Robotics/ Automation/ Cobotics
- Augmented Reality & AR Operator
- Data Processing & Protection
- Cybersecurity
- IoT
- 3D Modeling
- Predictive Maintenance