



## Discover How Indukern Built a Fully Integrated Industry 4.0 Infrastructure to Power Its New 14,000 m<sup>2</sup> Headquarters

### Overview

Indukern is a global chemicals group serving the animal nutrition, food, pharmaceutical and fragrance sectors. As the company prepared to consolidate all business units into a new 14,000 m<sup>2</sup> headquarters, it required a fully integrated infrastructure capable of supporting both corporate operations and industrial production under Industry 4.0 standards. The new facility needed a complete technology foundation, including data center capabilities, automation and IT networks, connectivity, security and communication systems. To achieve this at scale and without disrupting operations, Indukern partnered with Black Box to design and deliver a unified, reliable and future-ready infrastructure that would enable the new headquarters to operate as a consolidated, high-performance hub for all business functions.

### Challenges

Indukern faced the complex task of relocating all business units to a new 14,000 m<sup>2</sup> headquarters while building a complete technology and infrastructure foundation from the ground up. The facility needed to support both corporate operations and industrial automation, which made the infrastructure requirements far more demanding. The absence of an existing network, data center or facility systems created risk of delays and operational disruption. The company also needed a unified environment that could ensure reliability, high availability and seamless communication across production, administration and logistics. Completing all installations within strict timelines added further pressure to the transition.

### AT A GLANCE

#### CHALLENGES

- Needed a complete infrastructure build-out for a new 14,000 m<sup>2</sup> HQ
- Lacked unified systems for corporate and industrial (AT) operations
- Faced risk of disruption while consolidating multiple business units
- Had tight timelines for full technology and facility deployment

#### SOLUTIONS

- Designed converged IT and automation network architecture
- Built data center, cabling, fiber, cooling and wireless infrastructure
- Implemented security, telephony and facility-wide systems
- Delivered full installation, integration and operational readiness

#### RESULTS

- Smooth relocation with zero disruption to business operations
- Unified HQ supporting all corporate and industrial functions
- Improved reliability, redundancy and daily performance
- Scalable foundation aligned with Industry 4.0 needs

#### BENEFITS

- Consolidated technologies across one modern headquarters
- Stronger operational efficiency and easier management
- High-availability infrastructure ready for automation growth
- Future-proof architecture supporting long-term expansion



## Solutions

A fully converged infrastructure was designed to support both corporate technology and industrial automation. The implementation included a structured cabling system, fiber backbone, data center build-out, precision cooling, wireless connectivity and core network components. Security systems such as access control, CCTV and time clocks were installed along with communication systems and IP telephony. Backup generators, switch racks and end-to-end facility systems were deployed to ensure operational continuity. The solution provided a unified and resilient platform that supports production, administration and future automation requirements.

## Results

Indukern successfully transitioned all corporate and industrial operations to the new headquarters without disruption. The converged infrastructure provides the performance, reliability and scale needed to support Industry 4.0 initiatives. With improved redundancy, integrated security and a modern data center environment, the facility now operates as a cohesive and efficient ecosystem. The new infrastructure simplifies management, enhances operational visibility and supports ongoing growth across all business units.

## Why Black Box?

Indukern chose Black Box for its ability to design and deliver a complete infrastructure solution for complex industrial and corporate environments. The team provided the expertise needed to unify IT and automation networks, built a reliable data center environment and integrated all security, connectivity and communication systems across the new facility. The structured approach, technical depth and experience with Industry 4.0 requirements made it possible to create a modern headquarters equipped for performance, scalability and long-term operational success.

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