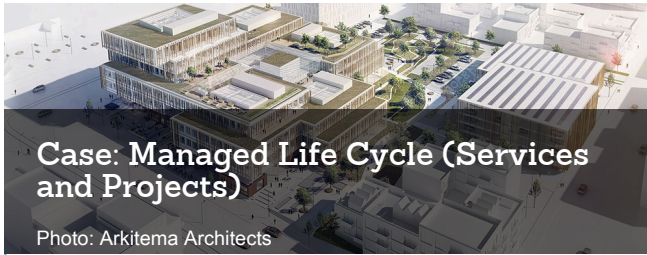


Case gallery

Examples of new orders in 2017



Case: Managed Life Cycle (Services and Projects)

Photo: Arkitema Architects

Ops Gellerup Nord, new office building, Aarhus, Denmark

Technical disciplines: Total Technical Solutions, including Heating and Sanitation, Ventilation and Air Conditioning, Electricity, Security and Safety, and Automation

Contract value: EUR 31 million

Life span: Project delivery 2017–2018, operation and maintenance phase until the year 2033

Caverion and general contractor A. Enggaard agreed of a Managed Life Cycle project for a new office building, Ops Gellerup Nord, in Aarhus, Denmark. This is one of the largest public-private partnership (PPP) agreements for Caverion. Caverion's part in the PPP includes a Large Project with Total Technical Solutions covering all building systems in the property, followed by a 15-year Managed Services contract.



Case: Managed Life Cycle (Services and Projects)

Kirsti school and daycare centre, Viherlaakso school and high school, Espoo, Finland, in cooperation with YIT

Technical disciplines: Total Technical Solutions, including Heating and Sanitation, Ventilation and Air Conditioning, Electricity, Information and Communication Technology, Security and Safety, and Automation

Contract value: approximately EUR 40 million

Time span: Project deliveries 2017–2020, operation and maintenance for the following 20 years

Caverion signed an agreement with the City of Espoo to carry out the renovation of Kirsti school and day-care centre and the renovation and expansion of Viherlaakso school and high school using the life cycle model. The project will be carried out in cooperation with YIT. Caverion will be responsible for Total Technical Solutions, including all building systems, Technical Maintenance of properties, and Managed Services for an agreement period of 20 years.



Case: Managed Services (Services)

Munich Uptown building, skyscraper and office complex, Munich, Germany

Technical disciplines: Heating and Sanitation, Ventilation & Air Conditioning, Electricity, Cooling and Security & Safety

Contract value: not disclosed

Time span: 5 years

Caverion renewed its Managed Services contract for Munich Uptown building, a skyscraper and an office complex in Munich, Germany. The skyscraper is the tallest in Munich. A five-year contract was signed with the building owners (Europyramid S.á.r.l., Euro Sphinx S.á.r.l., AFIAA Campus GmbH, LaSalle Investment Management, Campus E S.á.r.l.) with an optional extension to eight years.



Case: Technical Maintenance (Services)

OKQ8 Scandinavia, 450 locations, Sweden

Technical disciplines: Heating and Sanitation, Ventilation and Air Conditioning, Electricity, Information and Communication Technology, Security and Safety, and Automation.

Contract value: not disclosed

Time span: not disclosed

OKQ8 Scandinavia prolonged Technical Maintenance agreement with Caverion. Caverion is responsible of all technical systems in 202 manned and 160 unmanned gas stations and 90 other properties in Sweden. The new agreement puts higher emphasis on energy optimisation and further development.



Case: Large Projects (Projects)

Photo: Photo: Hille Melbye Arkitekter

Galleriet shopping mall, Bergen, Norway

Technical disciplines: Total Technical Solutions, including Heating & Sanitation, Ventilation and Air Conditioning, Cooling, Electricity, Information and Communications Services, Security & Safety, and Automation

Contract value: approximately EUR 11 million

Time span: 2017–2019

Caverion signed an agreement with the general contractor LAB to deliver Total Technical Solutions for the expansion of a shopping mall in Bergen, western Norway. The expansion of the shopping mall includes a new building of 50,000 square metres, a parking lot and a cinema. Caverion is responsible of Advisory Services, Design & Engineering, Project Management and Project Execution of the building systems.



Case: Large Projects (Projects)

Perjentunnel, Tyrol, Austria

Technical disciplines: Ventilation, Electricity, Information and Communication Technology, and Security & Safety

Contract value: EUR 13 million

Time span: 2016–2019

Caverion signed a contract with ASFINAG (Autobahnen- und Schnellstraßen-Finanzierungs-Aktiengesellschaft) for the project execution of renovation of the safety equipment of Perjentunnel in Tyrol, Austria. The contract covers the following technical systems: the renewal of the medium voltage system, tunnel ventilation, tunnel radio, electrical and control systems.



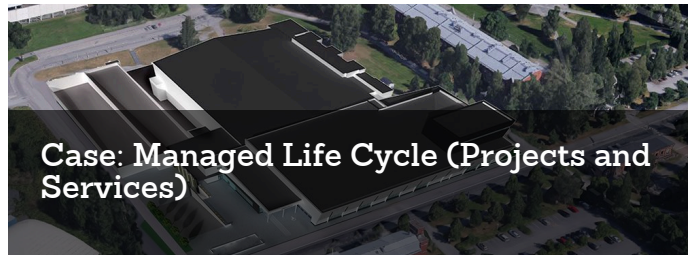
Central hospital of Kainuu, new hospital, Kajaani, Finland

Technical disciplines: Total Technical Solutions, including Ventilation and Air Conditioning, Cooling, Electricity, Information and Communications Technology, Security, Automation, and Heating and Sanitation

Value: EUR 45 million

Time span: 2017–2021

Caverion implements building systems for the new hospital in Kainuu in Finland. The customer is the Kainuu social and health care local government regional authority and the contract is one of the largest project agreements that Caverion has ever undertaken. The construction phase is part of the joint and several liability alliance project, of which the partners are Kainuu social and health care services and Caverion, Skanska, and Sweco. In addition to building systems, Caverion will also deliver chute systems for waste and laundry, and internal information systems in line with the Smart Hospital concept.



Kuntolaakso, swimming centre, ice stadium, and car park, Kuopio, Finland, in cooperation with YIT

Technical disciplines: Total Technical Solutions, including Heating and Sanitation, Ventilation and Air Conditioning, Electricity, Information and Communication Technology, Security and Safety, and Automation

Contract value: approximately EUR 59 million

Time span: Project deliveries 2018–2020, operation and maintenance for the following 20 years

Caverion entered into an agreement with the City of Kuopio to carry out a development project for a swimming centre, an ice stadium, and adjacent parking services using the life cycle model. The project will be carried out in collaboration with YIT. In the construction phase, Caverion will be responsible for the design and total delivery of building systems. During the twenty-year service period, Caverion will be responsible for the technical maintenance of the properties, the services for users, and the energy consumption of the properties.