

STEENSEN & VARMING INTERNATIONAL APS

CONSULTING ENGINEERS AND PLANNERS F.I.D.I.C. F.R.I. ▲

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STEENSEN & VARMING consulting engineers was founded in Copenhagen in 1933 by Niels Steensen and Jørgen Varming. Affiliated practices were established in Dublin 1947, London 1957, Edinburgh 1959 and Sydney 1972. Branch offices have since been opened in Singapore, in Newcastle-upon-Tyne in England, and in Aarhus, Aalborg and Roskilde in Denmark.

In 1972 a highly specialized division of STEENSEN & VARMING Copenhagen dealing with the design of oil and gas plants was separated as Oilconsult Ltd.

Each practice is self contained - together they form STEENSEN VARMING INTERNATIONAL - SVINT - an association which controls the communication between the individual offices, ensuring exchange of information and know how, and a body for development and cooperation on international projects. The corresponding Danish firm STEENSEN & VARMING INTERNATIONAL APS was registered in 1976.

The joint turnover of the STEENSEN & VARMING practices is approximately U.S. \$ 9 Million per year corresponding to approximately U.S. \$ 180 Million value of works.

The organisation represents over 500 staff and has vast resources of knowledge from which to offer a comprehensive service to clients for the planning, design and supervision of projects.

STEENSEN & VARMING works exclusively as consultants and is remunerated by its clients only.

The partners and key personnel are members of the respective national Associations of Consulting Engineers of the country in which they are registered and subscribe to the International Federation of Consulting Engineers (FIDIC) in the Hague. This ensures STEENSEN & VARMING's independence of all commercial and industrial interests that could influence impartial, professional judgement.

STEENSEN & VARMING set out to operate in their capacity as consulting engineers for clients in private and public sectors, to act on their own or in conjunction with architects, other consultants and contractors. The aim of the firm is to be placed amongst the leading international consulting engineers, keeping high professional standards at all times.

The work undertaken by the organisation covers a wide range of projects, particularly the engineering and building aspects of:

- Agricultural facilities
- Atomic energy plants
- Chemical plants
- Civic centres and theatres
- Factories and industrial plants
- Hospitals
- Laboratories
- Office buildings and town halls
- Oil and gas plants
- Residential buildings
- Recreational facilities
- Universities and schools

STEENSEN & VARMING CONSULTING SERVICES:

- Feasibility studies
- Planning and layout
- Preliminary design
- Cost estimates
- Time schedules
- Quantity surveying
- Final design and project specifications
- Preparation of tender documents
- Evaluation of tenders and advising the client with regard to contracts
- Supervision of contractors' work
- Construction management
- Commissioning
- Preparation of operation and maintenance manual
- Implementation of preventive maintenance system.

STEENSEN & VARMING DISCIPLINES:

- Project management
- Civil engineering
- Structural engineering
- Mechanical engineering
- Hydraulic engineering
- Instrumentation
- Fire protection
- Transportation
- Catering
- Environmental engineering
- Energy conservation

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Infrastructure

Selected References

Project	Client	Characteristics
Kastrup Airport Harbour Copenhagen Denmark	Christiani & Nielsen A/S	Harbour for rescue craft. Steelsheet quaywall & breakwater.
Esso Refinery Harbour Kalundborg Denmark	Christiani & Nielsen A/S	Extension to Esso marine terminal. Quaywall & platformquay. 6 m & 10 m water depth.
Gulf Oil Refinery Harbour Stignæs Denmark	Christiani & Nielsen A/S	Extension to Gulf Oil marine terminal. Concrete cofferdam. 16 m water depth.
Alternative Airport Copenhagen Denmark	Copenhagen Airport Authority	Planning of new Copenhagen Airport on the Island of Saltholm.
Ferry Terminal Elsinore	Ministry of Public Works Denmark	Ferry terminal and gangways for the Danish railways. Steel structures.
Danish State Railways Copenhagen Denmark	Ministry of Public Works	Station buildings in steel and concrete structures. Typified platform canopies in steel and timber construction.
Herning Railway Station Herning Denmark	Danish State Railways	Railway freight terminal.
Frederikshåb Harbour Greenland	Ministry for Greenland	Trawlerquay, extension to general cargo wharf, fishing harbour and service quay. Water depth from 5 to 10 m + 5 m tidal range.
Jacobshavn Harbour Greenland	Ministry for Greenland	Fishing harbour and service quay. Steel sheet pile wharf. 5 m water depth + 4 m tidal range.
Wharf for Fishing Vessels Frederikshåb Greenland	Ministry for Greenland	Berthing wharf for cutters and line-fishing boats. 60 m quay and rear area.
Atlantic Quay Frederikshåb Greenland	Ministry for Greenland	Quay for Atlantic traffic with access road and rear area for warehouse and external storage. 60 m quay, mean water depth 12,3 m.
Narssaq Harbour Greenland	Ministry for Greenland	General cargo wharf. Steel sheet piles. 11 m water depth + 5 m tidal range.
Marina Copenhagen Denmark	Gentofte municipality	Extension to existing harbour facilities for additional 600 sailing boats.
Marinas Limfjorden Denmark	L.2000	Planning of the recreational areas along the Limfjord (marinas and environmental protection).
Stubbekøbing Harbour Denmark	Stubbekøbing municipality	Ferry berth and harbour extension. Ferry connection between Stubbekøbing and Swinoujscie in Poland.
Vang Harbour Bornholm Denmark	Vang Granite A/S	Quarry loading pier.
Havnsø Harbour Denmark	Overby Gravel Dredging Co. A/S	Gravel unloading pier.

Infrastructure

Selected References

Project	Client	Characteristics
Navigation Channel Nakskov Denmark	Nakskov Municipality	Dredging project, 16 km navigation channel between Nakskov harbour and the Baltic Sea. Water depth 6,5 m.
Holsteinsborg Harbour Greenland	Royal Greenlandic Trading Co.	Harbour warehouse.
Land Reclamation Tuborg Harbour Greenland	Gentofte Municipality	Land reclamation for pumping station. 23,000 cu.m. sandfill, 380 l.m. encasement.
District Heating Conduits, Holsteinsborg Greenland	Ministry for Greenland	2,300 linear m. conduits in preinsulated steel casings, of which 600 m in flumes blasted in rock and 500 m suspended in steel trestles over permafrost bog.
Mosedø Fort Camping and Tourist Recreation Park Denmark	Roskilde County	Roads, sewerage, water supply, drainage, landscaping, public buildings, restaurants etc.
Christianshåb Greenland	Ministry for Greenland	Main sewerage system and water supply in the central area of the town of Christianshåb.
Egedesminde Greenland	Ministry for Greenland	Main utilities in the central part of the city of Egedesminde. Roads, sewerage and water supply.
New Thoroughfare Highway for Kirke-Saaby Village Denmark	Municipality of Hvalsø	1973.
Airport Access Road Jakobshavn Greenland	Ministry for Greenland	3,8 km, partly blasted into rocky terrain – blasting volume 10,000 cu.m. – and partly on polystyrene foam sheeting over permafrost bog.
Jakobshavn Greenland	Ministry for Greenland	Main sewerage system in the southern and western part of the town of Jakobshavn. Local sewerage pipes in connection herewith.
Jakobshavn Greenland	Ministry for Greenland	»By-pass West« of the town of Jakobshavn. Main circular road passing through permafrost areas.
Egedesminde Greenland	Ministry for Greenland	Network of local roads in connection with a new residential area »Egedesminde East« in the town of Egedesminde.
Jakobshavn, Christianshåb, Egedesminde, Julianehåb, Frederikshåb, Upernavik, Umanak, Greenland	Ministry for Greenland	Annual investigations during summer months comprising pilot studies and field investigations, soil mechanics, hydraulic surveying and geodesy.
Telecommunication Link for West Greenland	Ministry for Greenland	Broadcasting stations and transmitting stations connected to a telecommunication link for ten towns at the west coast of Greenland.

Agriculture and Rural Development

Selected References

Project	Client	Characteristics
Farming District Planning Silistra Bulgaria	Agrokomplekt	Planning of animal husbandry in an agricultural area of 160,000 ha. The project comprises 15 pig farms, 23 cattle farms, 5 farms for young stock, 3 feed-lots with 15,000 beef cows and 15 sheep farms.
Farms Sidi Jabeur Morocco	Société Marocaine de Développement des Productions Animales	Design of farm for 1,000 dairy cows with relevant young stock. Water requirements for 500 ha irrigated farm land.
Slaughterhouse Ringsted Denmark	Slaughterhouse FSA	45,000 sq.m. 720 pigs per hour. Electrical installations. Process systems.
Slaughterhouse Blans Denmark	Greystone Foods Ltd	15,000 sq.m. Electrical installations. Process systems.
Foodstuffs Preparation Plant Avedøre Denmark	Irma A/S	6,200 sq.m. Processing plant for meat products and salads.
Foodstuffs Preparation Plant Copenhagen Denmark	Plumrose A/S	Factory for food products, canned meat, frozen food.
Cold Storage, Padborg Denmark	Padborg Cold Storage A/S	2,500 sq.m
Storehouses in ten towns in Greenland: Christianshaab Egedesminde Godhavn Godthaab Holsteinsborg Jakobshavn Narssaq Sukkertoppen Umanak Upernavik	Royal Greenlandic Trading Co.	1969-79
Pig Farm Samsø, Denmark	K/S Samsø Farmen	SPF-pig farm for 700 sows. Annual production of 14,000 fat pigs.
Pig Houses Samsø, Denmark	Samsø Stål-Beton ApS	Design of fattening house for 240 pigs.
Cows House Møn, Denmark	Pollerup Hovgaard	Loose housing for dairy cows with biogas plant.
Methane Gas Unit for Farms Denmark	County of Storstrøm	Automatic methane gas unit for 60 cattles and 100 pigs.
Sows House Asnæs, Denmark	Trehøjegård	Design of farrow pens and in-pig sows house.
Sows House Hjallerup, Denmark	Ny Ravnstrup	Design and construction management of sows farrow house.
Dairies Benghazi and Tripoli, Libya		Design of two dairies for the production of various milk products.
Grain Storage Alsønderup, Denmark	Mangholm	Planning of grain storage as plane silo of 300 cu.m.
Bijelo Polje Yugoslavia	Ministry of Foreign Affairs, Denmark	Development evaluation study of agricultural region in the mountainous area of Montenegro.

Environmental Engineering

Selected References

Project	Client	Characteristics
Kærshovedgård State Prison Denmark	Directorate for Criminal Welfare	Sewage treatment plant. 1,200 persons.
Renbæk State Prison Denmark	Directorate for Criminal Welfare	Sewage treatment plant. 500 people. persons.
Råmosegård Nursing Home Denmark	Directorate for State Hospitals	Sewage treatment plant. 200 people. persons.
Møgelkær State Prison Denmark	Directorate for Criminal Welfare	Sewage treatment plant. 2,000 persons.
Vordingborg County Hospital Denmark	County of Storstrøm	Incinerator plant.
Tårnby Nursing Home Denmark	Municipality of Tårnby	Noise abatement project. Nursing home located close to airport.
Copenhagen Post Terminal Copenhagen	General Directorate of Posts and Telegraphs	Noise abatement. 90,000 sq.m of mailhandling facilities including transportation systems.
Technical College of Copenhagen	Ministry of Education	Noise abatement. Auditoriums and laboratories.
National Health Service Research Laboratories, Denmark.	Ministry of the Interior	Noise abatement project. Offices and laboratories.
Housing Development Usserød Denmark	H. Hoffmann & Sønner A/S	Noise abatement investigation. Housing project is located close to the highway north of Copenhagen.
Metropolitanskolen Copenhagen	Ministry of Education	Noise abatement and acoustics. Auditoriums and offices.
Øregård Gymnasium Copenhagen	County of Copenhagen	Advisory services. Acoustics and noise abatement.
Exploration Drillings Denmark	Dansk Olie og Naturgas A/S	Establishment of deposit arrangement for waste products.
Purups Graphic House Aarhus Denmark	Purups Graphic House	Noise suppression.
Chocolate Plants: Freia, Oslo Marabou, Stockholm Fazer, Helsinki	Mikroverk A/S	Noise measurements Noise analysis Feasibility studies Acoustics design.

Energy

Selected References

Project	Client	Characteristics
Godthaab Main Power Station Godthaab Greenland	Ministry for Greenland	1971 – 2,500 sq.m – 13,000 kW.
Minor power plants in towns and settlements in Greenland: Angmagssalik Christianshaab Egedesminde Færingehavn Frederikshaab Godhavn Holsteinsborg Julianehaab Jakobshavn Nanortalik Narssaq Qutdligssat Sukkertoppen Tingmiarmiut Umanak Upernavik	Ministry for Greenland	1959-1972. 100 sq.m to 1,500 sq.m.
Mamorilik Power Station Greenland	Greenex A/S	1971 – 1,500 sq.m.
The University Hospital Copenhagen Denmark	Ministry of Education	Emergency power supply. 4x500 kVa standby + 2x50 kVa + 2x30 kVa no-break units.
Sønderborg Hospital Sønderborg Denmark	County of South Jutland	Emergency power supply. 1x250 kVa + 1x400 kVa standby units 2x30 kVa no-break.
Government Buildings Slotsholmen, Copenhagen	Ministry of Housing	Emergency power supply. 2x140 kVa standby unit.
Århus Mental Hospital Århus, Denmark	Directorate for Hospital Services	Emergency power supply 60 kVa standby unit.
Nordvang County Hospital Copenhagen	County of Copenhagen	Emergency power supply. 50 kVa standby unit.
Brønderslev Mental Hospital Denmark	Directorate for Hospital Services	Emergency power supply. 80 kVa standby unit.
Viborg Hospital Denmark	Directorate for Hospital Services	Emergency power supply. 50 kVa standby unit.
Ballerup Nursing Home Denmark	Directorate for Hospital Services	Emergency power supply. 80 kVa standby unit.
Maternity Hospital Jylland, Denmark	Directorate for Hospital Services	Emergency power station 350 kVa standby unit.
Danish State Railways Copenhagen	Ministry of Public Works	Transformer stations for electric supply.
Heating plants at the following state prisons in Denmark: Horserød Renbæk Sdr. Omme Kærshovedgård Nørre Snede Søbysøgård	Directorate for Criminal Welfare	 2,300 kW 2,300 kW 2,300 kW 700 kW 1,500 kW 1,750 kW
District Heating Plant Copenhagen Denmark	Municipality of Frederiksberg	Electrical installations including in- strumentation. Steam production 200 t/h.
Maglegård Transformer Station Lyngbygård Transformer Station Denmark	NESA A/S	Design of indoor 50/10 kV trans- former stations for 3x35 MVA trans- formers.

Energy

Selected References

Project	Client	Characteristics
Hovegård Transformer Station Denmark	NESA A/S	Design of outdoor 400/120 kV transformer station covering approx. 80,000 sq.m.
Glentegård Main Control Station Denmark	NESA A/S	Assistance with detailed design for DASA remote control system.
Lindevang Transformer Station Frederiksberg Copenhagen	Municipality of Frederiksberg	Design of indoor 120/50 kV transformer station with SF ₆ -insulated distribution equipment. Accommodation for 2×160 MVA transformers.
Bispeengen Transformer Station Copenhagen	Municipality of Frederiksberg	Preliminary design for 50/10 kV indoor transformer station. 3×25 MVA transformers.
Amager Power Plant Copenhagen	The Copenhagen Lighting Department. Municipal Gas, Electricity and District Heating Works	Assistance to the department in finalizing design of medium voltage, 6kV and 30 kV auxiliary installations in the new 270 MW power station.
Vigerslev Switching Station Copenhagen	The Copenhagen Lighting Department. Municipal Gas, Electricity and District Heating Works	Assistance to the department in design of switchgear installations.
Low Energy House Skive, Denmark	Jysk Murer & Entreprenørforretning A/S, Aarhus	Residence with very high insulation standards, especially designed low temperature floor heating, solar panels and heat recovery from waste water.
District Heating Ballerup, Denmark	Lundegårdens Fjernvarmecentral	Study of the rentability of a 700 sq.m solar absorber supplementary to existing oil district heating plant.
University of Calabria Italy	Universita degli Studi della Calabria	Design of a 2,400 sq.m solar absorption plant for a township of 750 students and staff. The plant to supply energy for central heating, for domestic hot water and for air-conditioning plant with absorption machines.
Kent Ridge Hospital Singapore	Government of Singapore	Design of 13 separate solar heating systems for supply of domestic water to a 750 bed teaching hospital. The total collector area amounts to approximately 2,000 sq.m.
Dairy Cattle Farm Sidi Jabeur, Tadla, Morocco	Société Marocaine de Développement des Productions Animales	For a farm with 1,000 dairy cows 4 separate solar panel installations to supply hot water for cleaning purposes in the milking parlours.
Nuclear Research Establishment Risø, Denmark	Risø	Heat recovery from exhaust air by heat pump supplying heat to the reactor hall.
The Sydney Opera House Sydney Australia	Ministry of Public Works, N.S.W.	The building is heated and air-conditioned from large heat pump system utilizing the sea water as a heat sink.
Swimming Pool Gentofte	Private	The humidity of the room air is removed by cooling coils and latent heat is transferred to the pool water by a heat pump.
Dairy Cattle Farm Møn Denmark	Pollerup Hovgaard	A pilot plant produces biogas used for heating of milking parlour.
District Heating Aars Denmark	Dansk Olie og Naturgas A/S	Boreholes to a depth of 3 km. Hot water to circulate through heat exchanger supplying district heating of the town.

Energy

Selected References

Project	Client	Characteristics
Danish State Railways	Danish State Railways	Improving existing workshops etc. Insulation, glazing, reduction of infiltration loss, automatic controls, reducing energy consumption.
Copenhagen Transport Copenhagen Denmark	Copenhagen Transport	Energy reduction in bus cleaning stations by re-using water for washing.
The Danish State Veterinary Institute for Virus Research Lindholm Denmark	The Danish State Veterinary Institute for Virus Research, Lindholm, Denmark	Rentability of insulation of existing buildings, refrigeration plant as heat pump, installation of heat exchangers in ventilation plants etc.
Hinnerup Municipality Hinnerup Denmark	Hinnerup Municipality	Report on all municipal buildings regarding rentability of possible energy saving measures.
Dragsbæk Malt Factory Thisted Denmark	Dragsbæk Maltfabrik	Installation of heat recovery plant for kiln process in malt production.
Thcr Breweries Randers Denmark	Thor Breweries	Report on rentability of heat recovery from kiln process.
Roelants Maltings Ruisbroek Belgium	Roelants Maltings	Report on rentability of energy saving measures in malt production.
Skamol Mors Denmark	Skamol	Installation of heat recovery plant for moler (clay) drying and burning.
Raychem Glostrup Denmark	Raychem	Waste heat from linear accelerator used for heating the factory.
Asnæs Power Station Denmark	Asnæs Power Station	Low temperature cooling water used for preheating combustion air.

Industrial Plants

Selected References

Project	Client	Characteristics
Salt Works Mariager, Denmark	Dansk Salt I/S	From the underground a dissolution is piped to the works which has an annual production of 150,000 tons salt.
Chemical Plant Copenhagen Denmark	Mærsk Kemi A/S	Plant for manufacture of high-pressure polyethylene.
Glass Factory Korsør Denmark	Scanglas A/S	Annual production of 10 mio. sq.m window glass.
Chemical-Pharmaceutical Plants Copenhagen, Bagsværd and Kalundborg Denmark	Novo Industri A/S	1954-79. 130,000 sq.m production buildings, storage and handling facilities, laboratories and administration buildings.
Chemical-Pharmaceutical Plant Mainz West Germany	Novo Industri A/S	1966. 2,000 sq.m.
Sterilization Plant Glostrup Denmark	Raychem A/S	Sterilization by means of electron-accelerator.
Medical Factory Gladsaxe Denmark	Ferrosan A/S	Factory for medical products.
Rope Works Varde Denmark	Jacob Holm & Sønner A/S	7,000 sq.m manufacturing area.
Gyproc Gypsum Products Plant Kalundborg Denmark	Gyproc A/S	15,000 sq.m production, storage and administration facilities.
Refrigerator Production Plant Denmark	Danmax A/S	1960 - 15,000 sq.m.
Tobacco Production Plant Denmark	Scandinavian Tobacco Co. A/S	1976 - 12,000 sq.m storage building for raw tobacco.
Spray Drying Plant Liconda Mexico	Niro Atomizer	Electrical remote control and instrumentation. 25 tons milk per hour.
Oil Pipeline Dublin Ireland	Major Oil Importers, Dublin	Unloading and distribution pipework at Dublins oil port.
Automobil Factory Dublin, Ireland	Henry Ford & Son, Limited	Expansion of existing assembly line, new warehouse etc.
Telecommunication Equipment Factory Athlone, Ireland	L. M. Ericsson	3,500 sq.m. production building.
Electrical Appliances Factory Dundalk Ireland	G.E.C.	10,000 sq.m. production building.
Pharmaceutical Plant Clarecastle Ireland	Syntex Ireland Limited	10,000 sq.m. building complex for process, research, administration, storage etc. with facilities for waste treatment/fire protection.
Brewery Copenhagen, Denmark	Tuborg	Several commissions concerning electrical installations including control and instrumentation for the expansion and modernization of the brewery.
Air Gas Plant Denmark	AGA A/S	Electric installations in a gas factory including HV-distribution and HV-motors.

Industrial Plants

Selected References

Project	Client	Characteristics
Paint Manufacturing Plant Kolding Denmark	Gori Værk A/S	Electrical installations including instrumentation 8,000 sq.m.
Cable Manufacturing Plant Denmark	NKT, Cable Works	Design of machinery.
Insulating Mineral Wool Plant Denmark	Rockwool A/S	Several commissions concerning planning and maintenance of installations.
Chemical Plants in France, Poland, Turkey, Kuwait	Haldor Topsøe A/S	Assistance with design of instrumentation and electrical installations.
Cement Mills	F. L. Smidth & Co. A/S	Assistance to the clients own departments. Concerning instrumentation and control.
Industrial Instrumentation and Control Equipment	NEA-Lindberg A/S	Assistance to the clients own departments. Concerning instrumentation and control.
Fertilizer Plants	Superfos A/S	Assistance to the clients own departments. Concerning instrumentation and control.
Chemical Plants	Novo Industri A/S	Assistance to the clients own departments. Concerning instrumentation and control.
Chemical Industries General Establishment Aleppo Syria	Kemp & Lauritzen A/S (contractor)	Electrical installation in a 15,000 sq.m factory for fluorescent and incandescent lamps.
Coffee Roasting Plant Rødovre Denmark	Irma A/S	1966 - 2,000 sq.m. 7-story process tower. Production and administration facilities.
Kungmiut Fish Processing Plant Greenland	Ministry for Greenland	1961 - 720 sq.m. Fish processing plant, storage facilities, landing pier.
Boatwharf, Egedesminde Greenland	Ministry for Greenland	Boatbuilding industry including workshops.
Water Tank, Lumsås Denmark	Christiani & Nielsen A/S	Lundbeck & Co. Lumsås, Denmark. Water tank, 800 sq.m.
Store Buildings, Jakobshavn Greenland	Ministry for Greenland	2 Store Buildings, 1,000 sq.m. Laminated timber frames.
Factory Extension Hørsholm, Denmark	KABI A/S	Extension to metal-factory.
Precast Concrete Factory Gadbjerg Denmark	H+H Industri A/S	Light concrete factory 3,500 sq.m. Concrete elements.
Precast Concrete Components	Vipres	Design of machinery.
Ventilation Equipment Factory Næstved Denmark	Nordisk Ventilator Co A/S	Production buildings for ventilation equipment 30,000 sq.m.
Factories at Vejle and Ballerup Denmark	LK-NES A/S	Production buildings for electrotechnical equipment.
Brewery Mönchengladbach West Germany	Hannen Brauerei GMBH	Detailed design of the electrical installations including instrumentation and processing control.
Brewery, Izmir Turkey	Türk Tuborg	Design of electrical installations.
Brewery Iran	Shamce	Design of electrical installations in parts of the brewery.
Brewery Finland	OY Sinebrychoff	Design of electrical installations in parts of the brewery.

Commercial Projects

Selected References

Project	Client	Characteristics
Administration Building Hamburg West Germany	HEW Power Company	1963 - 57,000 sq.m. 12-story administration building and a three-level parking basement.
House of the Industry Copenhagen Denmark	The Federation of Danish Industries	Office building with shops in the centre of Copenhagen. 22,500 sq.m. and 9,000 sq.m. basement. Electrical installations.
Shopping Centre City Nord II Hamburg Germany	Dr. Helmut Greve	City Nord II, 75,000 sq.m. Multi-storey building. Shops, offices, parking. In situ concrete.
Rank-Xerox Copenhagen Denmark	C. Th. Malling (contractor)	15,000 sq.m. offices and warehouses. Electrical installations.
Headquarter of Medical Firm Copenhagen Denmark	H. Lundbeck & Co. A/S	Office & laboratory building. 9,000 sq.m.
Contractors Office, Glostrup Denmark	SEMCO A/S	13,000 sq.m. offices and workshop. Electrical installations
Bank Head Office, Copenhagen Denmark	Den Danske Bank	8,000 sq.m offices and 4,000 sq.m basement with several strongrooms.
Pakuba Safari Lodge Uganda	Danish Turnkey Hotels	Safari Lodge, 164 beds. Concrete and timber structure.
Office Building, Copenhagen Denmark	F. L. Smidth & Co. A/S	7,000 sq.m. offices with integrated electrical heating. Electrical installations.
BP Oil Company Head Office Copenhagen Denmark	BP-Oliekompagniet A/S	6,000 sq.m offices, 1,650 sq.m parking area in basement.
Bank Head Office, Copenhagen Denmark	Fællesbanken	6,200 sq.m offices, 1,350 sq.m parking area in basement.
Football Pools, Copenhagen Denmark	Dansk Tipstjeneste A/S	5,900 sq.m offices, 400 sq.m parking area in basement.
Volvo Headquarters, Copenhagen Denmark	VOLVO BIL A/S	Danish Volvo headquarters in 7,000 sq.m office and workshop building. Electrical installations
Liberty Hall Dublin Ireland	Irish Transport & General Workers Union	16 storey complex, first »sky scraper« in Dublin.
Administrative Headquarters Dublin Ireland	Irish Sugar Co.	6,500 sq.m. office block.
Head Office Edinburgh Scotland	Scottish Widows Fund and Life Assurance Society	1976. 26,000 sq.m office for up to 1,700 staff members.
Administration Building Copenhagen Denmark	A. P. Møller	1979. 20,000 sq.m administration building for up to 800 staff members.
Bank Building Hjallerup Denmark	Hjallerup Savings Bank	1978. Service and administration building.
Office Building Aalborg Denmark	Sanistål	1978. 1,600 sq.m.
Administration Building Avedøre Holme Denmark	Roche A/S	1975. 2,000 sq.m administration and storage building for pharmaceutical firm.
Passagen Roskilde Denmark	Direktør Niels Jensen	1975. Shops, offices and basement parking.

Commercial Projects

Selected References

Project	Client	Characteristics
Administration and Production Buildings Copenhagen	Radiometer A/S	1955 - 10,000 sq.m.; 1975 - 15,000 sq.m. Administration buildings in connection with manufacture and sale of electrical and electronic equipment.
Bank Building Thisted Denmark	Thisted Co-operative Bank	1971. Service and administration building.
Gentofte Centre Gentofte Denmark	Steensen & Varming Murermester Poul Svendsen	1970. Office landscape for Steensen & Varming head office, shops, basement parking.
Administration Building Aalborg Denmark	BP Oil-Company A/S	1960. Administration building for BP storage.
Bank Offices Copenhagen Denmark	Handelsbanken	Refurbishing of a number of bank offices.
Head Office and Computer Centre Dublin Ireland	Air Lingus	Head office and computer/data processing. 6,000 sq.m. completed 1965.
Offices and Studios Dublin Ireland	R.T.E. Dublin	6,000 sq.m. radio and TV studios and administration offices for the Irish national radio.
IRMA Administration Office, Rødovre Denmark	Irma A/S	1965 - 3,100 sq.m.
Administration Building for Frederikshaab Telephone Comp. Greenland	Ministry for Greenland	1967 - 900 sq.m building with telephone exchange and administration offices.
Bank Offices, Copenhagen Denmark	Den Danske Bank	Refurbishing of a number of bank offices.
House of Insurance Copenhagen	Assurandørernes Hus A/S	4,500 sq.m offices, restaurant and hire rooms.
Shopping, Office and Apartment Buildings Copenhagen Denmark	Sparekassen SDS	Three mix. purpose buildings, approx. 5,000 sq.m each.
Parking House Copenhagen Denmark	Den Danske Bank	5,400 sq.m parking area.
Værebro Park Shopping, Social and Cultural Service Centre Gladsaxe Denmark	DAB af 1942, S.m.b.A.	1968 - 13,500 sq.m centre with shops, bank, post office, clinics, laundry, library, sports hall, hotel, rest home, etc.
Valbycentret III, Tagenscentret Copenhagen Denmark	J. Å. Lindberg (contractor)	Community centres of 12,000 sq.m and 14,000 sq.m. Electrical installations.
Supermarket Ordrup Denmark	GOVA	800 sq.m sales area and 500 sq.m basement.

Urban Development & Housing

Selected References

Project	Client	Characteristics
Saudi-Egyptian Construction Co. Cairo Arab Republic of Egypt	Larsen & Nielsen Enterprise A/S	Detailed design for 900 apartments in 5-storey blocks at Maadhi, Cairo, Egypt. Prefabricated concrete elements.
Høje Tøpholm Hundested Denmark	DAB af 1942, S.m.b.A.	500 apartments in 1, 2, 3 & 4 storey blocks. Prefabricated concrete frame elements. TVP-system. 1st. section 150 apartments.
Frankfurt a.M. Germany	Wohnheim	331 apartments in 8 & 12 storey blocks. Prefabricated concrete frame elements. TVP-system.
Blåkildegård Tåstrup	Lemming & Eriksson A/S	Design of complete electrical system for housing estate. 425 terrace houses. 600 sq.m community centre.
Øresundskollegiet	Lemming & Eriksson A/S	Design of electrical installations in 12 college buildings with centralized facilities. Approx. 44,000 sq.m.
Magistrenes Hus	Lemming & Eriksson A/S	Design of electrical installations. 8,000 sq.m offices and shops 15,000 sq.m apartments, 3,000 sq.m underground parking area.
Bræmerholm Carre III Bræmerholm Copenhagen	Den Danske Bank	Extensive building supports in 7 buildings to preserve the fronts of protected buildings.
Bræmerholm I & II Bræmerholm Copenhagen	Den Danske Bank	Extensive building alterations and restoration of 10 buildings dating from about 1790.
Gadekærvej, Copenhagen Denmark	LAB	200 apartments in 6-storey blocks. Prefabricated concrete frame elements.
Tune Denmark	Greve Boligselskab	214 apartments in 2 storey houses. Brick facing.
Lyngby Denmark	Lejerbo	40 flats in 4 & 5 storey block. Brick facing.
Wolfsburg Germany	Neuland, Wohnungsgesellschaft	35 apartments in one terraced house. Prefabricated concrete frame elements. TVP system.
Type Housing, Greenland	Ministry for Greenland	300 2-storey houses. Standardized wooden elements for detached and row houses. Type projects built in various towns.
Hannover Germany	GAGFAH	115 apartments in 5, 6 & 8 storey blocks. Prefabricated concrete frame system. Prizewinner in the »ELEMENTA 72« competition sponsored by the German Ministry of Housing. TVP-system.
Stavoprojekt Bratislava Czechoslovakia	Thomas Schmidt A/S	Planning of electrical installations in a new national building system NKS 1.
Psychiatric Hospital Århus Denmark	Directorate for State Hospitals	Residences for doctors & nurses 98 apartments, 20 single family houses.
County Hospital Vordingborg	Directorate for State Hospitals	4 single family houses 2 apartment buildings for doctors & nurses.
State Hospital Thorshavn	Directorate for State Hospitals	132 apartments for doctors & nurses.
Ungdomsboligerne I Ungdomsboligerne II Københavns Amtssygehus Denmark	Municipality of Gentofte, Directorate for State Hospitals	180 apartments and rooms for doctors and medical assistants.

Urban Development & Housing

Selected References

Project	Client	Characteristics
Rigshospitalet Copenhagen	Ministry of Education	107 apartments and 1,400 sq.m parking lots.
Residential & office building H. C. Ørstedsvej/Gl. Kongevej Copenhagen Denmark	Sparekassen, SDS	40 apartments, 1,820 sq.m parking basement, 650 sq.m office space, 570 sq.m store space.
Residential- & office building Nørrebrogade/Griffenfeldsgade Copenhagen	Sparekassen, SDS	28 apartments, 1,675 sq.m parking basement, 210 sq.m office space, 1,480 sq.m office and storage space.
Terrace Houses Usserød Denmark	H. Hoffmann & Sønner A/S	100 houses, 14,000 sq.m.
Borup Nord Denmark	DAB af 1942, S.m.b.A.	200 houses in a low density housing scheme. Brick & timber.
Muret Forsøgsbyggeri A/S Albertslund & Værløse Denmark	P. E. Malmstrøm	567 apartments in 24 blocks. Industrialized brick facing construction system.
Apartments, Egedesminde Greenland	Ministry for Greenland	200 apartments in 14 blocks. In situ concrete structure, timber facade elements.
Apartments, Nanortalik and Christianshaab Greenland	Ministry for Greenland	78 apartments in 2 storey terrace houses. In situ concrete.
Apartments, Holsteinsborg Greenland	Ministry for Greenland	183 apartments in 3 and 4 storey blocks. In situ concrete.
Rigshospitalets Kollegium Copenhagen Denmark	Ministry of Education	420 student apartments in one 7 – storey block. Prefabricated concrete frame structure in TVP system.
Apartments, Jakobshavn Greenland	Ministry for Greenland	170 apartments in 2 storey terrace houses. In situ concrete.
Apartments, Julianehåb Greenland	Ministry for Greenland	108 apartments in 4 & 5 storey blocks. In situ concrete.
Terrace Flats, Hvissinge Denmark	Glostrup Boligselskab	193 flats in 2 storey terrace hous. Prefabricated concrete elements. L & N system.
Apartments, Copenhagen Denmark	Einar Kornerup	48 apartments in one 3 storey block. Prefabricated concrete elements.
Students Hostel Jagtgården, Copenhagen Denmark	The independent institution »Kolliegiegården«	1957 – 10,500 sq.m.
Apartment building Klampenborg Denmark	Real estate corporation »Ved Bellevue Bugt«	1958 – 4,800 sq.m.
15 Quartering camps in Greenland	Ministry for Greenland	1960-68.
Students Hostel Nyborgård Denmark	Hostel Association of 1960	1962 – 17,700 sq.m. Hostel with 520 single rooms and 64 apartments for married students. Centre facilities with laundry, information desk, and kindergarten.
Murergade Residential Centre Copenhagen Denmark	DAB af 1942, S.m.b.A.	1971 – 28,000 sq.m. 150 family apartments, 115 sheltered dwellings, kindergarten and a day treatment centre.
Terrace housing development Vallensbæk Denmark	Nordbo Huse A/S	1976 – 60 single family terrace houses.
Gullandsgården Apartment development Copenhagen	DAB af 1942, S.m.b.A.	1978 – 19,600 sq.m. 11 four-story apartment buildings with 232 apartments, club rooms and recreational facilities.

Urban Development & Housing

Selected References

Project	Client	Characteristics
Apartment Buildings Vinkelvej, Lyngby Denmark	DAB af 1942, S.m.b.A. and Byggeaktieselskabet af 12. aug. 1976	1975 - 13,400 sq.m. 158 apart- ments.
Værebros Park Residential Centre Gladsaxe Denmark	DAB af 1942, S.m.b.A.	Three 8-story and five 4-story re- sidential buildings with 1327 apart- ments and common facilities.
Student Apartments, Copenhagen Denmark	Kristelig Studenterbevægelse	1,000 student apartments in 5-8 storey blocks. L & N system. Prefa- bricated concrete elements.
Student Apartments, Copenhagen Denmark	BOAM A/S	1,100 student apartments in 1 storey houses with community centres. All services.
Apartment Buildings, Copenhagen Denmark	KAS elevboliger	300 apartments for nursetrainees. Prefabricated concrete frame ele- ments. TVP system.
Master Plan, Jakobshavn Greenland	Ministry for Greenland	Master plan of the town of Chris- tianshåb on the west coast of Greenland
Master Plan, Christianshåb Greenland	Ministry for Greenland	Master plan for the town of Chris- tianshåb on the west coast of Greenland.
Residential area development Høje Gladsaxe Denmark	Association of six co-operative housing societies.	1960
Town Planning Egedesminde Greenland	Ministry for Greenland	1968-74.
Town Planning Frederikshåb Greenland	Ministry for Greenland	1970-72.
Town Planning Holsteinsborg Greenland	Municipality of Holsteinsborg	1979-.
Residential area development Borup North & Borup East Skovbo Denmark	Municipality of Skovbo	1977-1979
Residential area development Kirke Saaby Denmark	Municipality of Hvalsø	1971
Bytoften Terrace Houses Gladsaxe Denmark	DAB af 1942, S.m.b.A.	1949 - 158 single family terrace houses.
Ved Rådhuset Apartment Development Rødovre Denmark	DAB af 1942, S.m.b.A.	1954 - 5,000 sq.m.
Baunebakken Housing Development Denmark	Municipality of Hvidovre	Planning and detailed design of roads, sewers and water supply for 233 single family housing project.

Public Buildings

Selected References

Project	Client	Characteristics
Central Bank of Kuwait Kuwait	Ministry of Public Works	Five-story building plus two basement levels. 14,500 sq.m. 1965.
Central Bank of Iraq Baghdad Iraq	Central Bank of Iraq	12-story building and a parking building, both with two basement levels. 21,000 sq.m. 1978.
Central Bank of Denmark Copenhagen Denmark	Central Bank of Denmark	55,000 sq.m. 1961.
Royal Customs House Copenhagen Denmark	Ministry of Finance	10,000 sq.m. 1973.
Community Centre for Castrop-Rauxel, West Germany	City of Castrop-Rauxel.	Council Chamber, Community Hall, sports hall, restaurant, parking basement. 1967.
City Hall, Mainz West Germany	City of Mainz	33,000 sq.m. 1968.
Town Hall Rødovre Denmark	Municipality of Rødovre	Three-story building.
National Museum of Art Copenhagen Denmark	Ministry of Cultural Affairs	Complete refurbishing.
The Sydney Opera House Australia	Ministry of Public Works N.S.W.	Design, documentation, contract administration and detailed site supervision of mechanical systems, HVAC plants, control systems etc. 1972.
Royal Danish Theatre Copenhagen Denmark	Ministry of Cultural Affairs	5,000 sq.m. 1962. Storage building for curtains, setpieces etc.
Foyer Building for Concert Hall in Grossergarten, Herrenhausen West Germany	City of Hannover	1969.
Government Building Slotsholmen, Copenhagen Denmark	Ministry of Housing	5-wing administration building. Total floor area 19,500 sq.m
Amalienborg Royal Palace, Copenhagen. Fredensborg Royal Palace. Frederiksborg Castle, Hillerød. Sønderborg Castle. Christiansborg Castle, Copenhagen. Rigsarkivet, Amaliegade 23-25, Copenhagen. Moltkes Palæ, Copenhagen. Domhuset (court house), Copenhagen	Ministry of Housing	Restoration, repairs and maintenance of protected or significant palaces and castles.
Concert Hall Dublin Ireland	Office of Public Works	Conversion of the Aula Maxima (built 1851) into a concert hall.
The Abbey Theatre Dublin Ireland	Abbey Theatre	The new Abbey Theatre built on the site of the famous Old Abbey.
Ministry of Foreign Affairs Copenhagen Denmark	Ministry of Housing	Design of the electrical installations in protected buildings used as meeting centres for the Ministry. Approx 8,000 sq.m. Programme and follow-up supervision for near-by new building. 22,000 sq.m plus 10,000 sq.m basement.

Public Buildings

Selected References

Technical Museum of Denmark Elsinore Denmark	Technical Museum of Denmark	2,600 sq.m – 1967
Gentofte Courthouse Gentofte Denmark	Ministry of Justice	All installations 1,400 sq.m.
Gladsaxe Courthouse and Police Station Denmark	Ministry of Justice	All installations 8 storied building. 1975.
Vehicle Inspection Stations Denmark	Ministry of Justice	All installations. Modern car inspection plants. 6,000 sq.m.
State Prison of Ringe Ringe, Funen Denmark	The Directorate for Criminal Welfare	All installations 4,500 sq.m. 1975.
Remand Home Godthaab Greenland	Ministry for Greenland	1965.
Fire Stations in Greenland: Godhavn Christianshaab Narssaq Jacobshavn Egedesminde	Ministry for Greenland	Fire stations for towns and settlements in Greenland.
Regional Library Godthaab Greenland	Ministry for Greenland	1,280 sq.m – 1974.
Public Library Rødovre Denmark	Municipality of Rødovre	1960.
Copenhagen Post Terminal Denmark	General Directorate of Posts and Telegraphs	Design standards, forecasts, tender procedures, transport- and sorting installations, electricity, heating, ventilation, cooling, acoustics, central vacuum cleaning. Selection and supervision of contractor. PERT-planning. Postal staff training, job description. Capacity: 24,000 parcels/h 3-4 million letters/day.
Parcel Post Building, Aarhus Denmark	General Directorate of Posts and Telegraphs	Transport- and sorting installations. Operation control and organization. Mechanical control and maintenance. Postal staff training and job descriptions. Capacity: 4,000 parcels/h. 1973.
Pasila Post Office Helsinki Finland	Post and Telegraph	Flow analysis, system lay out, calculations, working area design, handling units.
Beirut Postal Sorting Centres Lebanon	Government of Lebanon	Study design for 3 sorting centres.
Algiers Postal Sorting Centres Algeria	Government of Algeria	Design of 5 sorting centres.
Copenhagen Airport Kastrup Denmark	Dansih Airport Authorities	Study design for Transfer – luggage sorting center.
Town Hall Birkerød Denmark	Rasmussen & Schiøtz A/S	1,500 sq.m – 1979 Electrical installations

Public Buildings

Selected References

Project	Client	Characteristics
Danish Armed Forces Facilities	Danish Defence Construction Service	Various alterations and extensions to existing military installations. 1965.
Danish Armed Forces Facilities	Danish Defence Construction Service	Design for electrical installations for the Army Equipment Command's building in Hjørring. Approx. 18,600 sq.m.
Civil Defence Barracks Herning Denmark	The Board of Civil Defence	All installations 1967. All engineering design, supervision.
Civil Defence Barracks Næstved Denmark	The Board of Civil Defence	All installations 1968. All engineering design, supervision.
Vester Kirke Thorshavn Faroe Islands	Ministry of Ecclesiastical Affairs	All installations. 1974.
Brejning Kirke Vejle Denmark	Ministry of Ecclesiastical Affairs	All installations. 1961.
The Danish Church in Flensburg West Germany	Ministry of Ecclesiastical Affairs	All installations. 1967.
Nyvangskirken Kalundborg Denmark	Ministry of Ecclesiastical Affairs	All installations. 1963 and 1974.
Jacobshavn Church Jacobshavn Greenland	Ministry for Greenland	Timber structure.
Railway Freight Terminal Herning Denmark	Danish State Railways	1976.
Regional Archives for Zealand Denmark	Ministry of Cultural Affairs	Archives, lecture hall and offices. 42,000 linear metres of book shelves.

Educational Facilities

Selected References

Project	Client	Characteristics
University of Copenhagen Copenhagen Denmark	University of Copenhagen	Biological Institute. Arctic Greenhouse. Institute of Experimental Medicine and Surgery.
Panum Institute Denmark	University of Copenhagen	Medical faculty of the university and dental school 135,000 sq.m.
The Royal Danish School of Pharmacy Denmark	Ministry of Education	Pharmaceutical faculty. Research and teaching establishment.
H. C. Ørsted Institute Denmark	University of Copenhagen	Faculty of chemistry, physics and mathematics.
Niels Bohr Institute Denmark	The Niels Bohr Institute	Linear tandem van de Graaf accele- rator facility and nuclear research establishment.
Institute for Experimental Immunobiology Denmark	Ministry of Education	Animal laboratories.
University of Aarhus Denmark	University of Aarhus	Institute of Mathematics and Phy- sics. Biological Institute. Computer Centre. Botanical Institute. Institute of Geology.
University of Sydney Australia	University of Sydney	Sports and Recreation Centre. Faculty of Architecture.
University of Singapore Singapore	University of Singapore	Dental Faculty.
University degli Studi della Calabria Italy	Universita degli Studi della Calabria	3 villages with residences and other facilities for students and staff.
University of Botswana and Swaziland Swaziland	University of Botswana and Swazi- land	Department of Geology and Extra- mural Studies.
University of Aalborg Denmark	University of Aalborg	Computer Centre.
Sussex University England	University of Sussex	Falmer House. Physics building. Arts building.
Birmingham University England	Birmingham University	Faculty of commerce and social science.
Leicester University England	Leicester University	Engineering laboratory.
Oxford University England	University of Oxford	Engineering building. New engineer- ing and biochemistry buildings. St. Catherine's College.
Liverpool University England	Liverpool University	Students' facilities.
Cambridge University England	University of Cambridge	Fitzwilliam House.
Glasgow University Scotland	University of Glasgow	Institute of virology and genetics.
Edinburgh University Scotland	University of Edinburgh	Arts faculty building. Department of zoology. Library.
Stirling University Scotland	University of Stirling	New university.
Aberdeen University Scotland	University of Aberdeen	School of agriculture
Cork University Ireland	University College, Cork	Science buildings.
Dublin University Ireland	University College, Dublin	Science buildings.

Educational Facilities

Selected References

Project	Client	Characteristics
Ulster University Ireland	University of Ulster	New university.
College in Cork Ireland	Department of Education	Regional technical college.
Teacher's College, Skaarup Denmark	Ministry of Education	Installations. Class rooms. 1966 and 1969.
Øregaard Gymnasium Denmark	Municipality of Gentofte	Gymnasium 1972. Refurbishing 1979.
Gl. Hellerup Gymnasium Denmark	Ministry of Education	Installations. 450 pupils. 1958.
Rødovre Gymnasium Denmark	Ministry of Education	Installations. 560 pupils 1959.
Rungsted Denmark	Ministry of Education	Grammar school, 10,500 sq.m. Brickwork – concrete in situ.
Espergærde Denmark	Ministry of Education	Grammar School, 10,000 sq.m. Brickwork – concrete in situ.
Alierød Denmark	Ministry of Education	Grammar School, 9,500 sq.m. Brickwork – concrete in situ.
Metropolitanskolen Copenhagen Denmark	Ministry of Education	Refurbishing, 16 normal class rooms, aula, laboratories, etc.
Labourers High School Julianehaab Greenland	Ministry for Greenland	1973 – 1,200 sq.m. School building comprising class rooms and living quarters for 30 course participants.
Christianeum High School, Hamburg West Germany	City of Hamburg	1965 – 23,000 sq.m. Two-story school building complex.
Kalundborg High School Kalundborg Denmark	County of West Zealand	1973.
Folk High School Holsteinsborg Greenland	Ministry for Greenland	1974 – 2,000 sq.m. School building for 32 students, incl. living quarters.
Fladhøjskolen 1 and 2, Rødekro Denmark	Municipality of Rødekro	All installations 2,200 sq.m and 1,400 sq.m.
Technical Apprentice School Copenhagen Denmark	The Technical Society	All installations. 400 pupils.
Building Sector Apprentice School Copenhagen Denmark	The Technical Society	All installations. 200 pupils. Vo- cational training school.
Training Centre for Unskilled Work- ers, Herlev Denmark	Ministry of Labour	1962 – 2,100 sq.m. Four-wing building complex com- prising workshops, class rooms and administration offices.
Technical Civil Defence School Tinglev Denmark	The Board of Civil Defence	Installations. Extensions. 1962. Concrete structures, installations and supervision.
C. D. Platoon Leader School Herning Denmark	The Board of Civil Defence	Installations. Auditorium. 800 sq.m. 1966. Concrete structures, instal- lations and supervision.
Sønderborg Hospital, Nurses' School Denmark	County of South Jutland	All installations.
Egedesminde Elementary School Greenland	Ministry for Greenland	1970 – 2,700 sq.m. Three school buildings comprising class rooms, library, assembling room and janitor dwelling.

Educational Facilities

Selected References

Project	Client	Characteristics
Holsteinsborg Elementary School Greenland	Ministry for Greenland	1970 – 6,800 sq.m. Five school buildings comprising class rooms, assembling room, evening school facilities and janitor dwelling.
Jakobshavn Elementary School Greenland	Ministry for Greenland	School I, 6,000 sq.m. Concrete in situ.
Christianshåb Elementary School Greenland	Ministry for Greenland	4,600 sq.m extension. Concrete in situ.
Rungsted Private School, Rungsted Denmark	Rungsted Private School	Extension.
Tranegaardsskolen Gentofte Denmark	Municipality of Gentofte	Extension. 1973.
Bybækskolen Elementary School Farum Denmark	Municipality of Farum	1974 – 10,000 sq.m. School complex comprising class rooms, gymnasium and administration offices.
Lindelundsskolen Denmark	Municipality of Brøndby	Prefabricated concrete – elements. H-system. 16,500 sq.m.
Langebjergskolen Denmark	Municipality of Brøndby	Prefabricated concrete elements. H-system – 16,000 sq.m.
Søholtskolen Denmark	Municipality of Brøndby	Prefabricated concrete elements. H-system. 15,400 sq.m.
Rolandsskolen Denmark	Municipality of Brøndby	Prefabricated concrete elements. H-system. Extension to school – 3,000 sq.m.
Centerskolen Denmark	Municipality of Brøndby	Prefabricated concrete elements. H-system. 17,000 sq.m.
Værebrosskolen Elementary School Gladsaxe Denmark	Municipality of Gladsaxe	1967 – 7,000 sq.m. Two-story school building with 26 class rooms.
Nyager Elementary School Rødovre Denmark	Municipality of Rødovre	1959 – 10,500 sq.m. School building – including two gymnasiums and swimming baths – for 1,100 pupils.
Høje Gladsaxe School Complex Gladsaxe Denmark	Municipality of Gladsaxe	1962 – 10,000 sq.m. Three schools with common facilities as great hall, gymnasium, health clinics and special class rooms.
Nr. Jernløse Elementary School Denmark	Municipality of Jernløse	1974.
Brædstrup Elementary School Brædstrup Denmark	Municipality of Brædstrup	1977.
Nykøbing Elementary School Nykøbing Denmark	Municipality of Nykøbing	Design of electrical installation for the first and second stage of a new school of approx. 4,000 sq.m. 1968-70 and 1973-74.
Dalum School Denmark	Rasmussen & Schiøtz A/S	Standardized school buildings approx. 6,800 sq.m at Dalum near Odense. 1975-1976
Sofieskolen, School for Psychotic Children, Bagsværd Denmark	The independent institution »Sofieskolen«	School complex comprising class rooms, childrens dormitory, canteen and living quarters. 1966 – 1,600 sq.m.
Schæffergaarden Conference Centre, Jægersborg Denmark	The Foundation for Danish-Norwegian Relations	Extension to existing conference centre comprising 20 quartering rooms, kitchen and living rooms. 1969 – 1,700 sq.m.

Research Institutions

Selected References

Project	Client	Characteristics
Nuclear Research Establishment Denmark	Risø	The centre has 60,000 sq.m buildings with laboratories, nuclear research reactors, hot cell facilities etc. and facilities for agricultural and horticultural experiments.
Niels Bohr Institute Risø and Copenhagen Denmark	Ministry of Education	Research institute for basic theoretical nuclear research. 1950-1979.
Nuclear Research Laboratories Seibersdorf Austria	International Atomic Energy Agency	Research and test facilities.
Eurochemic Mol, Belgium	The European Company for the Chemical Processing of Irradiated Fuels. (Eurochemic).	Reprocessing plant and research laboratories for highly radioactive work.
European Space Technology Centre, Noordwijk, The Netherlands	European Space Research Organisation. (ESRO)	Total area of 33,000 sq.m for research, development and testing of equipment for rockets and satellites.
H. C. Ørsted Institute Denmark	University of Copenhagen	Research and teaching facilities for chemistry, physics and mathematics.
National Health Service Denmark	Ministry of the Interior	Laboratory for Radiation Hygiene, Pharmacy for Isotopes. Pharmaceutical laboratories for, - control - research - biology - microbiology.
The Technological Institute Høje Taastrup Denmark	The Technological Institute, Independent institution supported by Ministry of Commerce	One and two storied buildings comprising research laboratories, offices, lecture rooms etc., 40,000 sq.m.
Danish Building Research Institute Hørsholm, Denmark	Ministry of Housing	Architectural and engineering research related to buildings.
Danish Textile Research Institute Høje Taastrup Denmark	Danish Textile Institute, Independent institution integrated with the Technological Institute.	Research laboratories and offices. Two-storied building.
Panum Institute Copenhagen Denmark	University of Copenhagen	Medical and teaching establishment. 135,000 sq.m.
Institute for Experimental Medicine and Surgery Copenhagen Denmark	University of Copenhagen	Research laboratories and a number of animal stables.
The University Hospital, Central Laboratory, Copenhagen Denmark	Ministry of Education	Laboratories, 3,400 sq.m. 1970.
The University Hospital, Clinic Laboratory, Copenhagen Denmark	Ministry of Education	Laboratories, 7,000 sq.m. 1970.
The University Hospital Pharmacy, Copenhagen Denmark	Ministry of Education	2,200 sq.m, basement included.
Sønderborg Hospital, Central Laboratory Denmark	Ministry of the Interior and County of South Jutland	Laboratories - 1,400 sq.m.
Aarhus Psychiatric Hospital Denmark	Ministry of the Interior	Laboratories and animal stables.
Hillerød Central Hospital, Psychiatric department Denmark	Directorate for Hospital Services	Laboratories.
Serum Institute Copenhagen Denmark	Serum Institute	Laboratories. 6,700 sq.m.

Research Institutions

Selected References

The State Veterinary Institute for Virus Research Lindholm, Denmark	Ministry of Education	Institute for serum production and virus research on the island of Lindholm.
Laboratory for Ocean Pollution Denmark	Ministry of Environment	Laboratories, 1,000 sq.m. 1977.
Arctic Biological Research Centre Disko Greenland	Ministry of Education	Laboratories and library.
Biological Institute Aarhus Denmark	University of Aarhus	Research laboratories and a phytotron with 5 plant growing chambers and aquarium facilities.
Meat Research Laboratory Roskilde Denmark	Private Foundation	Research and development laboratory for production, handling and preparation of meat products.
National Food Institute Copenhagen, Denmark	Ministry of the Interior	Research and control laboratories.
Laboratories for Feeding Stuffs Control and Pest Animal Control, Denmark	Ministry of Agriculture	Five 2-story buildings. 7,000 sq.m. 1958.
Systemex Denmark	Chr. Østergaard A/S	Fume cupboard development.
Glasgow University Scotland	University of Glasgow	Virology and genetics research establishment.
University of Aarhus Denmark	University of Aarhus	Research institutes for natural science.
Agricultural Research Institute Yugoslavia	U.N.D.F.	Research establishment with Phytotron, Zemun, Yugoslavia.

Health Care Facilities

Selected References

Project	Client	Characteristics
Kent Ridge Hospital Singapore	Government of Singapore	750 bed teaching hospital for the University of Singapore.
Mt. Elizabeth Hospital Singapore	Mt. Elizabeth Hospital Board	250 beds + convalescent block and consulting wings.
Herlev Hospital, Copenhagen Denmark	County of Copenhagen	New teaching hospital with approximately 900 beds. The ward block has 25 storeys each with a standard ward department of 48 beds.
The University Hospital »Rigshospitalet«, Copenhagen Denmark	Ministry of Education	200,000 sq.m, 1900 beds.
St. Thomas' Hospital London, England	The Board of Governors St. Thomas' Hospital	800 beds.
Northwich Park Hospital London, England	The West Metropolitan Regional Hospital Board and The Medical Research Council	800 beds.
York District Hospital York, England	Leeds Regional Hospital Board	800 beds.
Royal Victoria Infirmary Edinburgh, Scotland	South-Eastern Regional Hospital Board	860 beds.
Viborg Hospital East Denmark	Directorate for Hospital Services	800 beds (extension).
Beaumont Hospital Dublin, Ireland	Beaumont Hospital Board	700 beds.
St. James' Hospital Dublin, Ireland	St. James' Hospital Board	700 beds.
Hvidøre Hospital, Copenhagen Denmark	Novo Industri A/S	1974 – 1,200 sq.m; 26-bed research hospital for treatment of diabetes.
Tralee Hospital, Kerry County Ireland	Southern Health Board	450 beds.
Scottish Hospital Sydney, Australia	Scottish Hospital Board	Geriatric extension to existing hospital, including renovation of existing facilities.
Royal Prince Alfred Hospital Sydney, Australia	Department of Public Works, NSW	Extension of existing teaching hospital. The extension comprises 250 beds plus new diagnostic and treatment facilities.
Medical Centre Merrylands New South Wales Australia	Department of Public Works, NSW	New community health and teaching centre.
Aarhus Psychiatric Hospital Geriatric department Denmark	Directorate for Hospital Services	40 beds (extension).
Aarhus Psychiatric Hospital Denmark	Directorate for Hospital Services	16,500 sq.m.
Aalborg Psychiatric Hospital Denmark	Directorate for Hospital Services	400 beds.
Hillerød Central Hospital Psychiatric department Denmark	Directorate for Hospital Services	640 beds.
Brønderslev Psychiatric Hospital Denmark	Directorate for Hospital Services	310 beds.
Thorshavn Psychiatric Hospital Thorshavn Farøe Islands	Directorate for Hospital Services	800 beds.
Herlev Central Pharmacy Denmark	County of Copenhagen	14,000 sq.m – pharmacy building.

Health Care Facilities

Selected References

Project	Client	Characteristics
Broagerparken Nursing Home & Rehabilitation Centre Denmark	County of Copenhagen	15,000 sq.m prefabricated concrete elements.
Gentofte Hospital Copenhagen Denmark	County of Copenhagen	New ward block. The ward is a full scale working model for the Herlev Hospital.
Copenhagen County Hospital Nordvang Denmark	County of Copenhagen Directorate for Hospital Services	500 beds.
Roskilde Hospital Roskilde Denmark	County of Roskilde	New building, containing kitchen and central sterile supply. Capacity: Complete food supply (tray service) for 750 patients and for staff.
Vordingborg County Hospital Denmark	Directorate for Hospital Services	9,700 sq.m.
Sønderborg County Hospital Denmark	County of South Jutland	500 beds.
Tvaeraa Hospital Faroe Islands	National Government of Faroe Islands	40 beds.
West Middlesex Hospital London, England	The North West Metropolitan Regional Hospital Board	240 beds.
Homerton Hospital Hackney, London England	The North-East Thames Regional Health Authority	430 beds.
Wellington Hospital London, England	British and Commonwealth Shipping Group	100 beds.
Cork Regional Hospital Cork, Ireland	Cork Hospital Board	600 beds.
St. Vincent's Hospital Dublin, Ireland	Irish Sisters of Charity	450 beds.
Ardkeen Hospital Waterford, Ireland	South Eastern Health Board	500 beds.
Sandmarksbo Nursing Home & Rehabilitation Centre Denmark	Private Foundation Sandmarksbo	10,000 sq.m prefabricated concrete elements. Flats and restaurant. TVP-system.
Randers Kollektivhus Nursing Home & Rehabilitation Centre Denmark	Private Foundation Randers Kollektivhus	10,000 sq.m prefabricated concrete elements. TVP-system.
Raamosegaard Nursing Home Denmark	Directorate for Hospital Services	20 beds (extension).
Ballerup Nursing Home Denmark	Directorate for Hospital Services	350 beds (extension).
Day-center, Gentofte Denmark	Municipality of Gentofte	120 children.
Sakskøbing Nursing Home Denmark	County of Storstrøm	700 sq.m.
Taarby Nursing Home Denmark	Municipality of Taarnby	226 beds.
Nursing Home, Glostrup Denmark	Municipality of Glostrup	9,000 sq.m.
Tvaeraa Nursing Home Faroe Islands	National Government of Faroe Islands	30 beds.
Health Centre Gladsaxe Denmark	Health Insurance Association of Gladsaxe	1952 - 1,100 sq.m. 4-story building with clinics and administration offices.

Recreational Facilities

Selected References

Project	Client	Characteristics
Castrop-Rauxel Sports Centre West Germany	City of Castrop-Rauxel	1965 – 660 sq.m.
Landskrona Sports Hall Sweden	City of Landskrona	1956.
Kalundborg Sports and Recreation Halls Denmark	City of Kalundborg	1976 – 9,000 sq.m.
Jakobshavn Greenland	The Hall Committee, Jakobshavn	Sports hall, 2,000 sq.m. Laminated timber structure.
Sukkertoppen Greenland	The Hall Committee, Sukkertoppen	Sports hall, 2,000 sq.m. Laminated timber structure.
Umanak Greenland	The Hall Committee, Umanak	Sports hall, 2,500 sq.m. (including swimmingpool). Laminated timber structure.
Youth and seamen's Centre Holsteinsborg Greenland	Ministry for Greenland	1962.
SFS Sports Hall, Sønderborg Denmark	SFS Sports Hall	Installations. 1,600 sq.m. 1979. Locker rooms. 800 sq.m.
Odsherred Sports Centre Denmark	Municipality of Trundholm	1967.
A-T Hall, Copenhagen Denmark	The Trotting Association of Amager	Sports hall including restaurant facil- ities for 2,500 people. Prefabricated concrete elements.
Civil Defence Barracks Herning Denmark	The Board of Civil Defence	Football ground, tracks, Sports Hall. Locker rooms. 800 sq.m. 1966.
Civil Defence Barracks Næstved Denmark	The Board of Civil Defence	Football ground, tracks. Sports Hall. Locker rooms 800 sq.m. 1968.
Copenhagen Stadium, Copenhagen Denmark	Copenhagen Stadium	Design of lighting system and elec- trical installations for the football sta- dium.
Swimming Baths, Fehmarn West Germany	City of Burg	1969.
Swimming Baths, Glostrup Denmark	Municipality of Glostrup	5,000 sq.m with three pools. Con- crete in situ and steel structure.
Swimming Baths, Næstved Denmark	Municipality of Næstved	20 x 40 m. Prefabricated concrete elements.
Swimming Baths, Korsør Denmark	Rasmussen & Schiøtz A/S	Indoor swimming pools with cafete- ria and other facilities. Approx. 3,300 sq.m. 1976-77.
Swimming Baths, Arrild Denmark	Municipality of North Rangstrup	Three swimming pools. All instal- lations. 3,000 sq.m. 1979.
Fitzwilliam Lawn Tennis Club Dublin, Ireland	Fitzwilliam LTC	Club house, indoor tennis courts, squash courts, swimming pool, lounge bar and restaurant.
Sports and Recreation Centre Sydney, Australia	Sydney University	Indoor swimming pool.

General Professional Services

Selected References

Professional Services	Client	Project
Management Within the following fields professional services have been provided: <ul style="list-style-type: none"> - Organization - Network planning - Manuals - Staff training 	General Directorate of Posts and Telegraphs Denmark	Copenhagen Post Terminal. Network planning, progress reports, project management.
	General Directorate of Posts and Telegraphs Denmark	Copenhagen Post Terminal. Operation and maintenance manuals for transport plants, organization, planning, job descriptions and training.
	General Directorate of Posts and Telegraphs Denmark	Aarhus Parcel Sorting Centre. Operation manuals for transport plants, organization, planning, job descriptions and training.
	Government of Egypt	New National Library, Cairo. Pilot studies concerning transport and registration, technical installations.
	State Veterinary Serum Laboratory Denmark	State Veterinary Serum Laboratory. Network planning and progress reports. Total floor area 6,700 sq.m.
	County of South Jutland Denmark	Sønderborg Hospital. Operation manuals for all technical plants.
Quality Assurance Quality Control <ul style="list-style-type: none"> - Quality audit - Quality control surveillance - Quality planning/coordination - Inspection - Reporting - Documentation - Third party approval - Progress reporting 	Mobil Exploration Norway, Inc.	Staffjord A Material coordination, inspection, documentation, control
	NPC/Norwegian Petroleum Consultants A/S	Staffjord B Material coordination

Special Professional Services

Selected References

Professional Services	Client	Project
Industrialized Housing Planning, Design and Implementation of Industrialized Housing Schemes and Buildings. TVP-System LN-System Jespersen-System H-System Other systems In-house Consultancy In-house consultancy in relation to general engineering/economic aspects of building programmes. In-house consultancy in relation to management of industrialized housing schemes	State Hospital, Copenhagen	420 student flats, 7 storeys.
	D.A.B. Hundested Denmark	500 flats in 2½ and 4-storey blocks.
	Copenhagen County Hospital Administration	300 flats for trainee nurses, Herlev, Denmark.
	Gemeinnützige Gesellschaft für Wohnheime m.b.H., Frankfurt a.M.	331 flats in 8- and 12-story blocks.
	Copenhagen Christian Students Association	1,000 student flats in 8-storey blocks, Amager, Denmark.
	Saudi-Egyptian Construction Co. Cairo Egypt	900 flats, low-income, 5-storey blocks, Maadi, Egypt.
	Various	Sketch proposals for large housing schemes in Saudi Arabia, Libya, Iran & Egypt.
	P. E. Malmstrøm	567 flats in 3-storey blocks, »brick-built pilot housing scheme« Copenhagen, Denmark.
	County of Copenhagen	Nursing House and Rehabilitation Centre, Copenhagen, Denmark, 15,000 sq.m.
	Brøndby Municipality, Denmark	5 primary schools total 69,000 sq.m.
Frederiksborg County, Denmark	3 grammar schools total 31,000 sq.m.	
Boam A/S Copenhagen, Denmark	1,100 student flats in standardized timber components, Greenland.	
Ministry of Housing Denmark	Scrutinizing engineering/economic aspects of Government building projects.	
Ministry of Education, Denmark	Scrutinizing engineering/economic aspects of the Ministry's projects concerning Grammar Schools etc.	
Ministry of Social Affairs, Denmark	Scrutinizing engineering/economic aspects of the building activities of the Ministry.	
Ministry of Housing and Construction, Cairo Egypt.	Assisting the Ministry in managing the national »Prefab Housing Scheme« of Egypt, covering 11 prefabricated concrete plants, each with a capacity of 200,000 tons of concrete components pr. annum.	

Special Professional Services

Selected References

Professional Services	Client	Project
Central Kitchens and Canteens Within the following fields professional services have been provided: <ul style="list-style-type: none"> - Planning - Flow analysis - Storage capacities - Cooling plants - Deep-freezing plants - Ergonomy - Personal hygiene - Heating and cooling phases - Air exhaust filters - Boiler and roast equipment - Dishwashing machines - Conveyor systems 	Ministry of Education Denmark	University Hospital »Rigshospitalet«. Canteen 200 meals. Kitchen 2,400 meals. Total floor area 5,000 sq.m.
	Directorate for Hospital Services Faroe Islands	Thorshavn Hospital. 300 meals.
	County of Aarhus Denmark	Aarhus Psychiatric Hospital. Kitchen 1,000 meals. Canteen 130 meals.
	County of Copenhagen Denmark	Gentofte Hospital. 1,500 meals.
	Directorate for Hospital Services Denmark	Nordvang Hospital. 500 meals.
	Directorate for Hospital Services Denmark	Nykøbing S. Hospital. Modernization, 700 meals.
	County of South Jutland Denmark	Sønderborg Hospital. 650 meals.
	Directorate for Hospital Services Denmark	Viborg Hospital. 650 meals.
	Directorate for Hospital Services Denmark	Aalborg Psychiatric Hospital. 350 meals.
	County of Storstrøm Denmark	Nursing Home, Sakskøbing. 350 meals.
	Directorate for Hospital Services Denmark	Nursing Home, Ballerup. 350 meals.
	The Board of Civil Defence Denmark	C.D. Barracks, Herning. 300 meals.
	The Board of Civil Defence Denmark	C.D. Barracks, Næstved. 200 meals.
	Ministry of Housing Denmark	Governmental Offices, Copenhagen. Canteen and cafeteria for 1,300 persons.
	Danish Savings Bank Denmark	Danish Savings Bank, Head Office, Canteen for 100 persons.
	BP Oil Company A/S Denmark	Head Office, Copenhagen. Canteen for 300 persons.
	County of Copenhagen	Herlev Hospital. Central kitchen for 2,500 meals. Cafeteria for staff.
	The Danish Ministry of Education. The Building Administration	The Panum Institute. Central kitchen for 2,300 meals. Cafeteria for students.
	County of Roskilde, Denmark	Roskilde Hospital. Central kitchen for 1,150 meals and cafeteria.
	Skansedalen, Hillerød, Denmark	Skansedalen. Geriatric facility kitchen for 200 meals and cafeteria.
Municipality of Gentofte Denmark	Rygårdscentre. Geriatric facility kitchen for 250 meals and cafeteria.	
Municipality of Gladsaxe Denmark	Møllegården. Geriatric facility kitchen for 200 meals and cafeteria.	
Association of Pharmacy Proprietors: D.A.K. Hillerød, Denmark	Conference centre. Kitchen for 150 meals and cafeteria.	

Special Professional Services

Selected References

Professional Services	Client	Project
Transport and Storage Planning Within the following fields professional services have been provided:	Deutsche Rockwool G.m.b.H. West Germany	Gladbeck and Neuburg. Storage lay-out and rationalization.
<ul style="list-style-type: none"> - Demand analysis - Data collection - Classification of materials - Lay-out - Flow analysis - Suggested systems - Modifications and limitations - Calculations - Evaluation of alternatives - Tender procedures - Supervision - Commissioning - Staff training 	Nederlandse Steenwool Fabriek the Netherlands	Rockwool Lapinus. Storage lay-out and rationalization.
	Rockwool A/S, Denmark	Rockwool, Hedehusene. Storage lay-out. Conveyor system design.
	El-Ring A/S, Denmark	El-Ring, Lundtofte. Storage lay-out.
	Isefjordværket, Denmark	Isefjordværket. Coal and cinder transport plants.
	Magasin A/S, Denmark	Magasin warehouse. Feasibility studies concerning transport and sorting plants.
	BR-Toys A/S, Denmark	Storage planning.
	County of South Jutland Denmark	Sønderborg Hospital. Feasibility study for transport plants.
	General Directorate of Posts and Telegraphs Denmark	Mail vehicle scheduling. Route planning of postal road transports in Copenhagen and Northern Zealand.
	Criminal Welfare, Denmark	Danish prisons. Vehicle scheduling.
	BP Oil Company A/S, Denmark	Oil distribution.
Laundries Within the following fields professional services have been provided:	Ministry of Education	University Hospital »Rigshospitalet«, Capacity 12 tons/day.
<ul style="list-style-type: none"> - Feasibility studies - Quantities of linen/categories - Distribution systems - Input/output of linen flow analysis - Resource allocation - Ventilation plants - Water and steam supply - Compressed air - Drainage - Heat recuperation - Budgets 	County of South Jutland, Denmark	Sønderborg Hospital. Capacity 5 tons/day.
	County of Storstrøm Denmark	Vordingborg Hospital. Capacity 2,5 tons/day.
	County of Storstrøm Denmark	Nykøbing F. Hospital. Capacity 6 tons/day.
	Government of Faroe Islands	Thorshavn Hospital. Capacity 4 tons/day.
	County of Aarhus Denmark	Aarhus Psychiatric Hospital. Capacity 3 tons/day.

Special Professional Services

Selected References

Professional Services	Client	Project
Electronic Data Processing Within the following fields professional services have been provided:	General Directorate of Posts and Telegraphs, Denmark	Copenhagen Post Terminal. System design, implementation and supervision.
<ul style="list-style-type: none"> - Automation - Data communications systems - Photo compositions systems - Process control systems - Administrative data processing - Text Processing systems - Scientific data processing 	Ministry of Education, Denmark	University Hospital »Rigshospitalet«. Design and implementation of large on-line system and communication network.
	Regnecentralen A/S Denmark	Copper mines in Poland. Software control system and supervision. Network control system. Design.
	A. P. Møller Denmark	Automation of telecommunications. Design, development and implementation.
	Purups Grafiske Hus A/S Denmark	Design of photo composition system.
	Grindstedværket A/S Denmark	Process control. Development and design of specialized software.
	Gartneres Salgsauktioner, Aarhus Denmark	Computer controlled, auctioneering system for wholesale produce market. Design, development and implementation.
	Ministry for Greenland	Greenland Technical Organization. Development and implementation of project management system.
	Ministry of Education Denmark	Technical University. Modifying software system for special application.
	Behrndt Bogtryk & Offset A/S Denmark	Word processor and photo composition system. Design and implementation.
	Medicinsk Laboratorium A/S Denmark	Development and design of specialized software.

Special Professional Services

Selected References

Professional Services	Client	Project
Electronics Within the following fields professional services have been provided: - Development - Design	General Directorate of Posts and Telegraphs Denmark	Copenhagen Post Terminal. Development of electronic data communication system and automatic test equipment for electronic subassemblies. Prototype included.
	General Directorate of Posts and Telegraphs Denmark	Copenhagen Post Terminal. Terminal chain electronics. Control of more than 1,000 data points. 12 bits in/5 bits out 11 times/sec. at each of 254 terminals.
	Ministry of Education Denmark	University Hospital, »Rigshospitalet«. Sterilization plant. Development of equipment and control system. Prototype included. Surveillance system of technical installations. 1979.
	Ministry of Justice Denmark	Danish prisons. Development and design of patented perimeter and surveillance system. 1975.
	I. P. Flügger-Schanck A/S Denmark	Mobile data terminal on a storage truck. Development and design.
	Purups Grafiske Hus A/S Denmark	Automatic lottery ticket numerator. Development and design.
	Kosan-Crisplant A/S Denmark	Computer system for parcel sorting machines. Development and design.
	Government of GDR	Electronic elevator control. Development and prototype of microprocessor-based control unit.
	Søren T. Lyngsø A/S Denmark	Microprocessor-based controller for general purposes.
	Hoffmann & Sønner A/S Denmark	Terrace houses, Usserød. Aerial plant for 700 houses.
	House Owners' Association Denmark	Eppedalen, Svogerslev. Aerial plant for 180 houses.
	AAB Denmark	Emdrup AAB Dept. 37. Aerial plant for 500 flats.
	Municipality of Vejle Denmark	Vindingegård, Vejle. Aerial plant for 130 houses.
	Municipality of Hvidovre, Denmark	Baunebakken. Aerial plant for 233 houses.