

Great savings with elpo elements



- Savings on construction time
- Savings on living area
- Savings on material costs
- Save the environment too



Elpotek – innovations in building services

Elpotek specializes in the manufacture of pre-cast concrete units for building services. In the building industry, Elpotek ready-to-use elements have superseded in situ construction for HVAC pipe risers.

Elpotek's success is based on top-level expertise, bold innovations and close cooperation with designers, builders and project managers. Cooperation has brought excellent results for all, right through to the end-user.





○ Building services elements offer major savings and provide pleasanter living conditions

Elpotek produces pre-cast concrete units for building services that can be used for installing HVAC pipework and ductwork in blocks of flats. Using Elpotek units the services risers in blocks of flats are finished at the same time as the frame.

Elpotek units offer major savings and important benefits in construction and use of space.

The concrete body of the Elpotek element insulates sound coming from the pipes and ductwork and provides pleasanter living conditions.

○ Elpotek elements speed up building

elpo-hormi elements are storey-height riser elements that are installed as the structural frame of the building is erected. Elpo duct units can be used to house all services: water and heating pipes, drains, air conditioning ducts, and conduits for electrical installations and telecom/computer cables. The elpo-hormi system includes ready-to-use branches for installation on site.

○ Elpotek innovations have become standard practice

Elpo units, which are the outcome of Elpotek's own product development work, have been warmly welcomed by Finnish builders and project managers. Numerous versions of the basic product have been developed for different purposes.

○ Elpotek is an affiliate of Rudus Oy

Elpotek is an affiliate of Rudus Oy. Rudus is specialized in concrete and stone based industry and belongs to an Irish CRH plc group. CRH operates in 34 countries employing approximately 92 000 people at over 3500 locations. In 2007 the turnover was approximately 21 billion Euros. The turnover at Elpotek in 2007 was 9.7 million euro and has 80 employees.

Savings on construction, materials and living area

Using Elpotek building services units generates clear savings in construction time, living area, and labour and materials costs. Building with elpo elements is also easy on the environment.





○ Save up to a week a floor in building time

Using elpo elements can save as much as 90% on installation time compared with in situ construction. The savings arise because all the risers are installed at one go in storey-height units. Using elpo elements helps to avoid tricky shuttering jobs later for pouring concrete to fill up the pipework holes. The concrete surface of the pre-cast units is neat and tidy, and ready for finishing.

Experience shows that building time can be reduced by several weeks per building in comparison with in situ construction.

○ Space savings of up to dozens of square metres per building

Using elpo elements saves the space needed for pipework. Ready-to-use elpo elements need less space than pipework and ductwork constructed in situ with all its insulation and supporting structure. Greatest space savings are achieved when elpo-hormi units are built in as part of the walls.

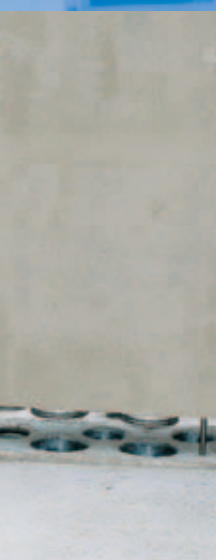
The total area saved in a block of flats can amount to dozens of square metres.

○ Savings on material costs

Using elpo elements minimises wastage of materials caused by constructing building services installations in situ and therefore produces cost savings.

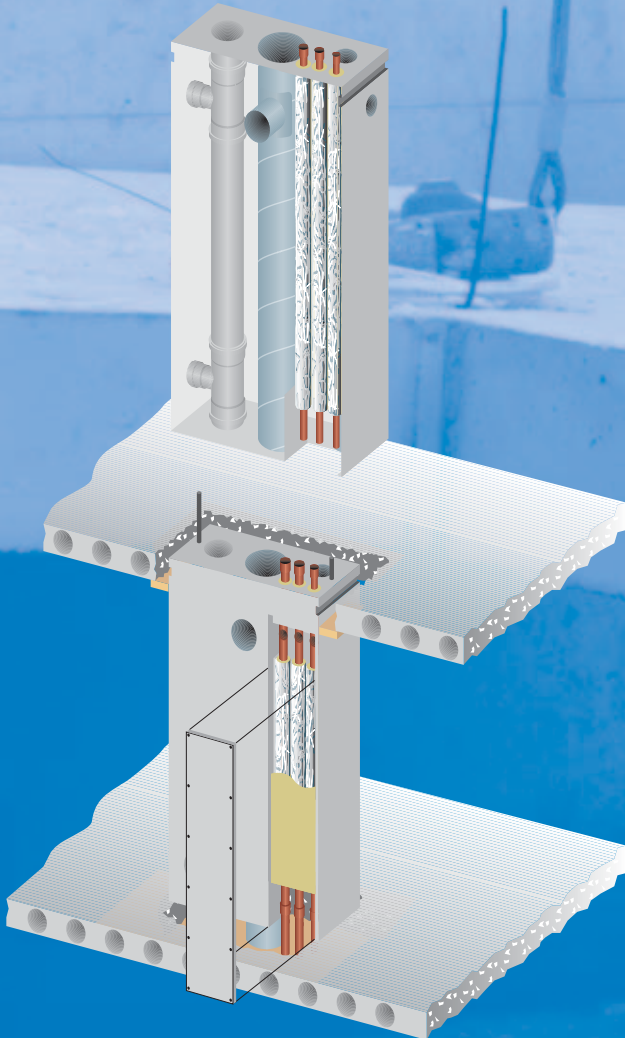
○ Save the environment too

Installing elpo elements on the construction site does not generate any waste. The materials used for producing the elements in the factory are carefully measured and precisely used, so there is no waste going to landfill sites. Metal waste is recycled and wood waste is burned.



Well designed, well made and well delivered

At Elpotek we have been designing and manufacturing building services elements since 1984. The views and experience of builders and project managers, architects and building services designers have all been taken into careful consideration in product development.



Pipework and branches planned by HVAC designers are located inside elpo elements



○ An unbroken chain from drawing board to building site

Using elpo products gives best results when projects are planned together, involving Elpotek designers right from the start. The architect or services designer sends the preliminary designs to Elpotek and we add our own suggestions to the sketches.

Elpotek designers cooperate closely with the other designers involved. The completed and approved plans form the manufacturing instructions for the Elpotek production department.

The finished elpo elements are carefully packed and clearly marked in storey-height batches, then delivered straight from the factory to the site according to an agreed timetable.

○ Seamless cooperation and established production technology

At Elpotek we have developed our own highly efficient production technology for manufacturing our building services elements. Long experience and top-level expertise produce top quality, and customers are satisfied with the functionality of the product both at the construction stage and during use.

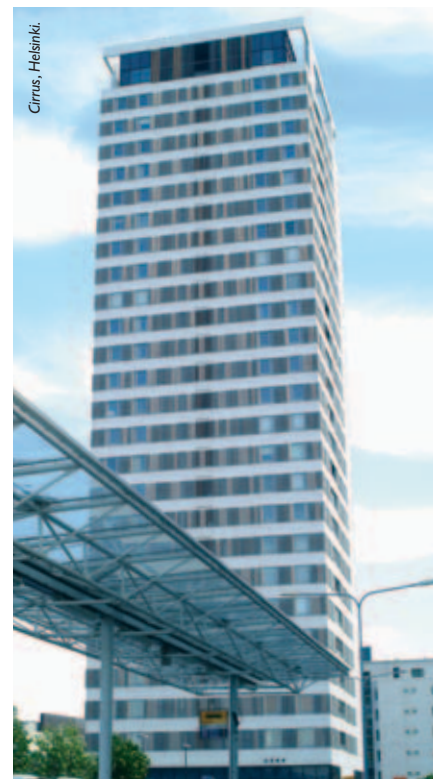
In addition to our own expertise and experience, we use products and services from top-quality, reliable, regular partners.



Pre-cast concrete elpo elements are cast in batches for each group of risers. This ensures that pipes, sockets and branches fit properly when assembled on site.

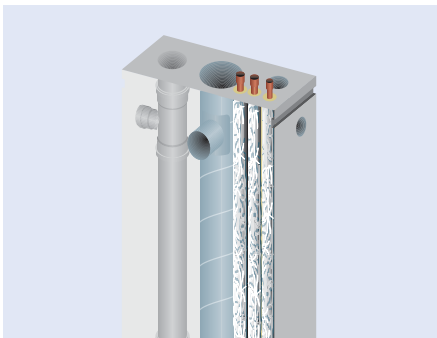


Elpo elements are delivered straight from the factory to the site in storey-height batches.



Cirrus, Helsinki.

Elpo building services elements Since 1984



elpo hormi

- Easy to install
- Compatible units
- Speeds up construction
- Saves on materials
- No cutting, no waste
- Pre-cast units ready for finishing
- Saves area
- Cuts down noise
- Designed separately for each building

Elpo-hormi is a factory-made, pre-cast concrete pipe-riser unit for blocks of flats. The pipework includes branches for connecting water and heating pipes, drains and air conditioning ducts, and conduits for electrical installations and telecom/computer cables. Elpo-hormi can be built in as part of the walls to minimise the amount of space needed for pipework and improve the floor-to-wall ratio. The concrete body of the Elpotek unit insulates sound coming from the pipes and ductwork.

Sales
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Design services
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