



Services • private clients

Independent engineering advice for your home: review of other parties' proposals, calculations, and design of heating, ventilation, cooling and water installations.

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We do not install systems and we do not sell equipment. Our assessment therefore does not depend on whose equipment you choose, or on how large the installation job turns out to be.

Around 20 years of engineering design practice in Ukraine, Latvia and Denmark.

DESIGN BASIS

BR18 — the Danish building regulations

DS 418 — calculation of heat loss from buildings

DS 469 — heating and cooling systems in buildings

DS 447 — ventilation in buildings

DS 439 — water installations

P1 • Review and advice

P-01 Engineering consultation

1–2 hours going through your situation. You receive a short written summary with recommendations and a list of questions to put to your installer.

P-02 Review of the installer's quote and of the completed work

Before the work we check whether the equipment is correctly selected, whether pipe and duct sizes and insulation are right, and whether the solution holds together as a whole. After the work we check whether the invoiced scope and material list match what was actually installed. You receive a written assessment with comments.

P-03 Review of an existing design

Heating, ventilation, cooling and heat supply — checking the solutions, the calculations, and whether the documentation is complete.

P-04 System survey and modernisation proposals

When rooms are cold, noisy or damp, or the bills are too high: we find the cause and propose options with an estimate of the effect.

P2 • Calculations and equipment selection

P-05 Heat loss and design heat load calculation

To DS 418 — the basis for sizing correctly, so you do not pay for a system larger than needed.

P-06 Independent selection of heat pump or heat source

Chosen from calculation, not from a supplier's price list. Comparison of 2–3 options.

P3 • Design

We agree the level of detail at the beginning: a concept design for budgeting, or a full set of construction documents. You can order one system on its own or the whole package.

P-07 Heating system design

Schematic, emitter layout, hydraulics, matching to the heat source, and equipment and material list.

P-08 Ventilation system design

Air volumes by room use, duct routing and sizes, unit selection and noise attenuation.

P-09 Cooling system design

Cooling load calculation, indoor and outdoor unit placement, pipe routing and condensate drainage.

P-10 Underfloor heating design

Loop layout, zoning, manifold and pump group selection, and matching to the heat source.

P-11 Water installation design

Cold and hot water distribution, circulation, sizing, matching to the heat source and legionella measures.

P4 • Supervision and documentation

P-12 Technical supervision during installation

Checks at the decisive points, answers to the installer's questions, and verification that the work follows the design.

P-13 Documentation for you as the owner

As-built drawings, equipment data sheets, and a short operation and maintenance guide.

WHAT YOU RECEIVE

- Drawings and diagrams in PDF
- Equipment and material list
- Calculations with an explanation
- Written assessment for review work

WHAT WE DO NOT DO

- installation work
- equipment sales
- plumbing work subject to authorisation — requires an authorised Danish VVS installation company
- energy labelling of buildings

HOW TO START

Send drawings, your installer's quote, or simply a description of the problem. We will tell you which item on this list you need, how long it takes and what it costs. Scoping is free of charge.