



Co₂olBricks

**Climate Change, Cultural Heritage &
Energy Efficient Monuments**

INTERREG IVb
Baltic Sea Region



KIINTEISTÖ
LIITTO

Co₂olBricks



How to improve the energy efficiency of historical buildings without losing their identity.



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Projectstructure

Workpackage 1: Project Management and Administration

Workpackage 2: Communication and Information

Workpackage 3: Policy Development

Workpackage 4: Technical Innovations

WP4.1:

Collection of Best Practice examples of Energy Refurbished Historic Buildings

WP4.2:

Baseline Study on Existing Practice of Energy Efficiency Improvements of Brick Buildings

WP4.3:

Research on Physical Parameters of Brick Walls

WP4.4:

Development of Refurbishment Concepts

Workpackage 5: Education and Economic Promotion

WP5.1:

Baseline Study on Educational Situation in the BSR

WP5.2:

Advancement of Knowledge of General Public and Stakeholders

WP5.3:

Additional Qualification for Energy Experts and Architects

WP5.4:

New Training Programme and Qualification Tools and Material for Specialised Craftsmen

Partnerstructure



Lead Partner

01 Free and Hanseatic City of Hamburg
Ministry for Culture and Media/ Department for Heritage Preservation

Germany

02 Ministry of Urban Development and Environment, Cooperation
Centre for Climate Issues
03 Vocational Training Centre Hamburg
04 City of Kiel, Department of Environment

Sweden

05 Stadsmuseum Stockholm
06 Energy Agency Southeast Sweden
07 Swedish National Heritage Board
08 Malmö, Environment Department

Denmark

09 Aalborg University, Danish Building Research Institute

Estonia

10 Estonian Heritage Society
11 Kothla-Järve Town Government
12 Centre for Development Programs

Lithuania

20 Vilnius Gediminas Technical University

Latvia

14 Riga, Infrastructure Department
15 Riga Technical University

Poland

16 European Foundation for Monuments Protection

Belarus

17 Republican Centre for Technology Transfer

Finland

18 KIINKO- Real Estate Education

Associated members, Finland

The Baltic Institute of Finland

Finnish Real Estate Federation

Ministry of the Environment

Construction Establishment of Defence Administration

Confederation of Finnish Construction Industries RT

The Building Information Foundation RTS

City of Helsinki

Finnish Association of Building Owners and Construction Clients RAKLI

Renor Ltd

Kruunuasunnot Oy

National Board of Antiquities

Tampere University of Technology

VTT Technical Research Centre of Finland

Vahanen Group

The Finnish Landowners' Organisation

Suomen taustaryhmä

Suomen Itämeri-Instituutti

Suomen Kiinteistöliitto

Ympäristöministeriö

Puolustushallinnon rakennuslaitos

Rakennusteollisuus RT

Rakennustietosäätiö

Helsingin kaupunki

RAKLI

Renor Oy

Kruunusunnot Oy

Museovirasto

Tampereen teknillinen yliopisto

VTT

Vahanen yhtiöt

Maanomistajain Liitto



Projektiin kansainväliset kokoukset

Hampuri

Visby

Helsinki

Malmö

Velikij Novgorod

Tallinna / Kohtla-Järve

Kööpenhamina / Malmö

Vilna

Riika

Kiel (tulossa)



Baltic Sea Region
Programme 2007-2013



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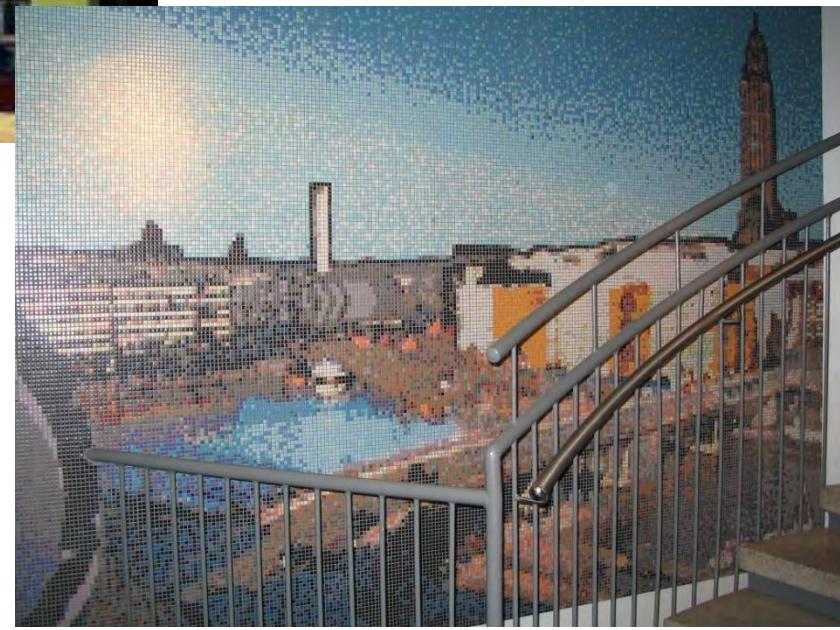










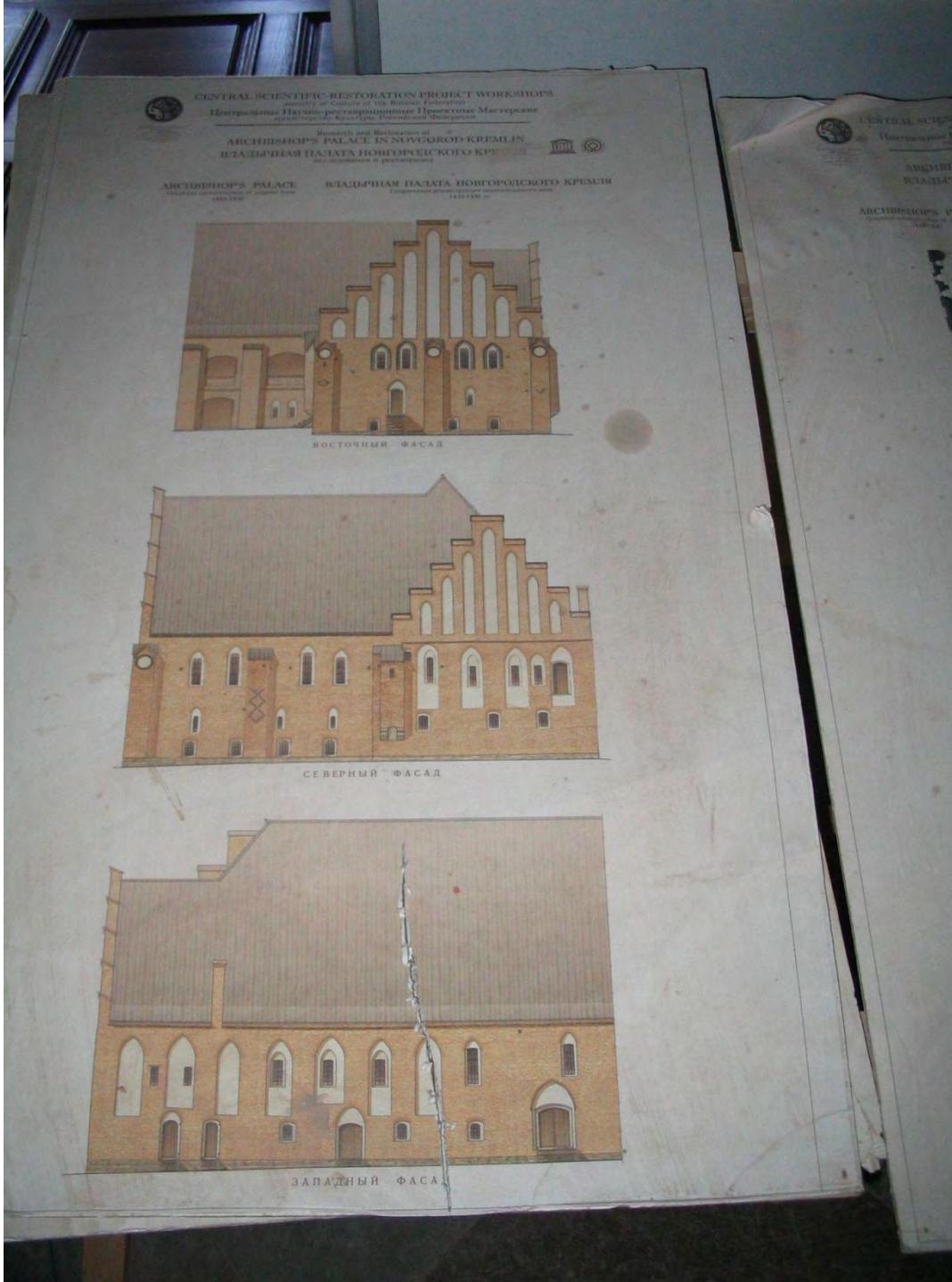
















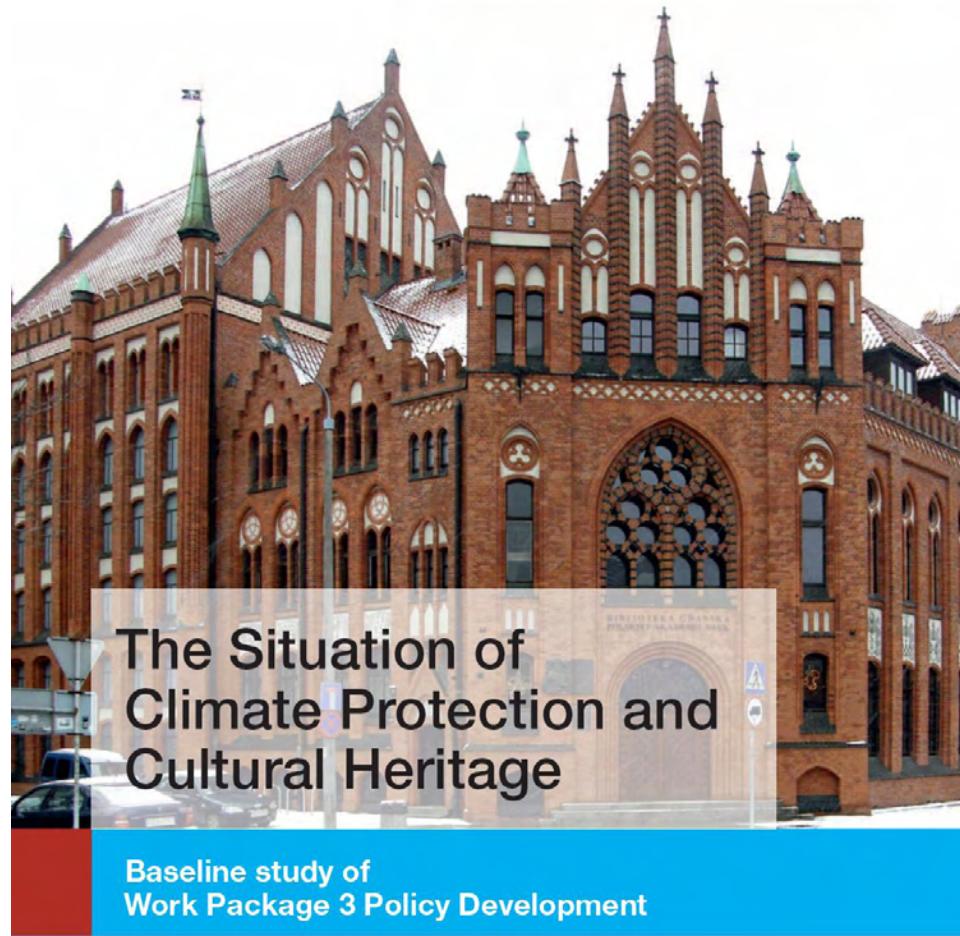






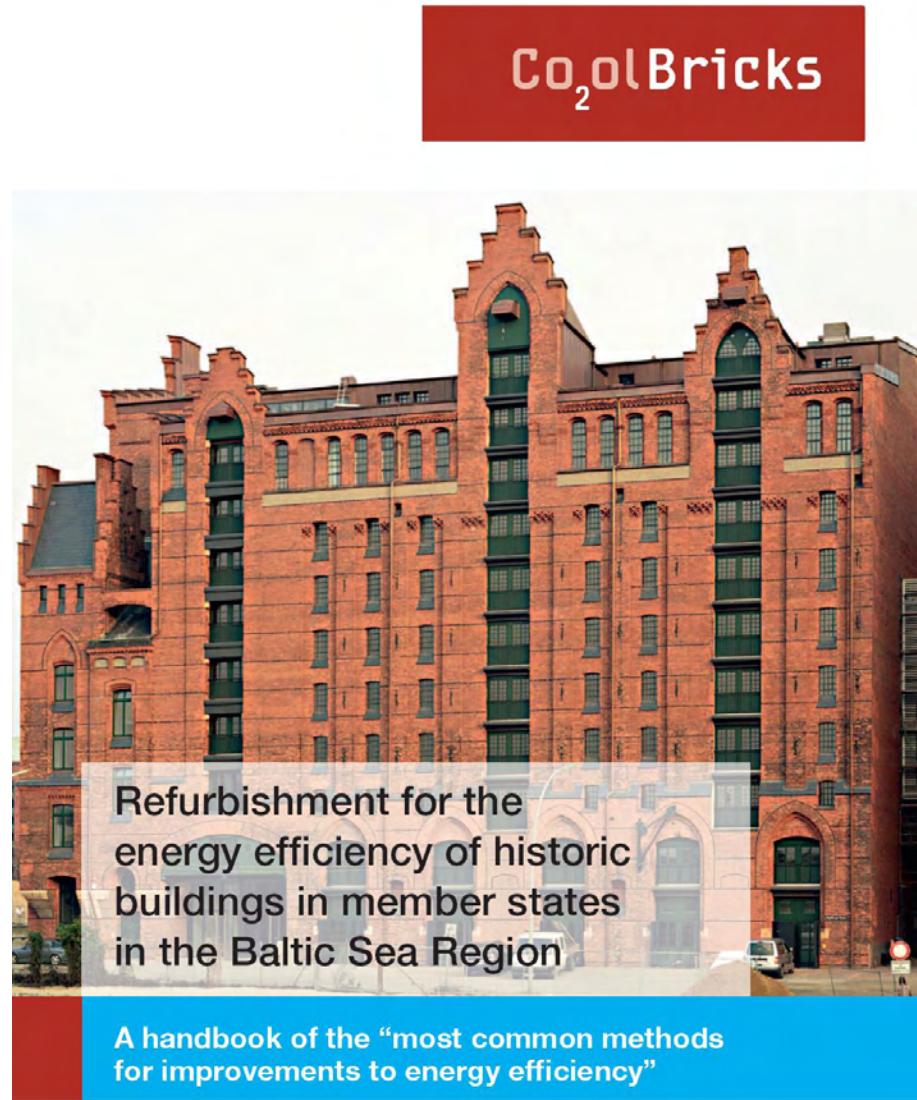


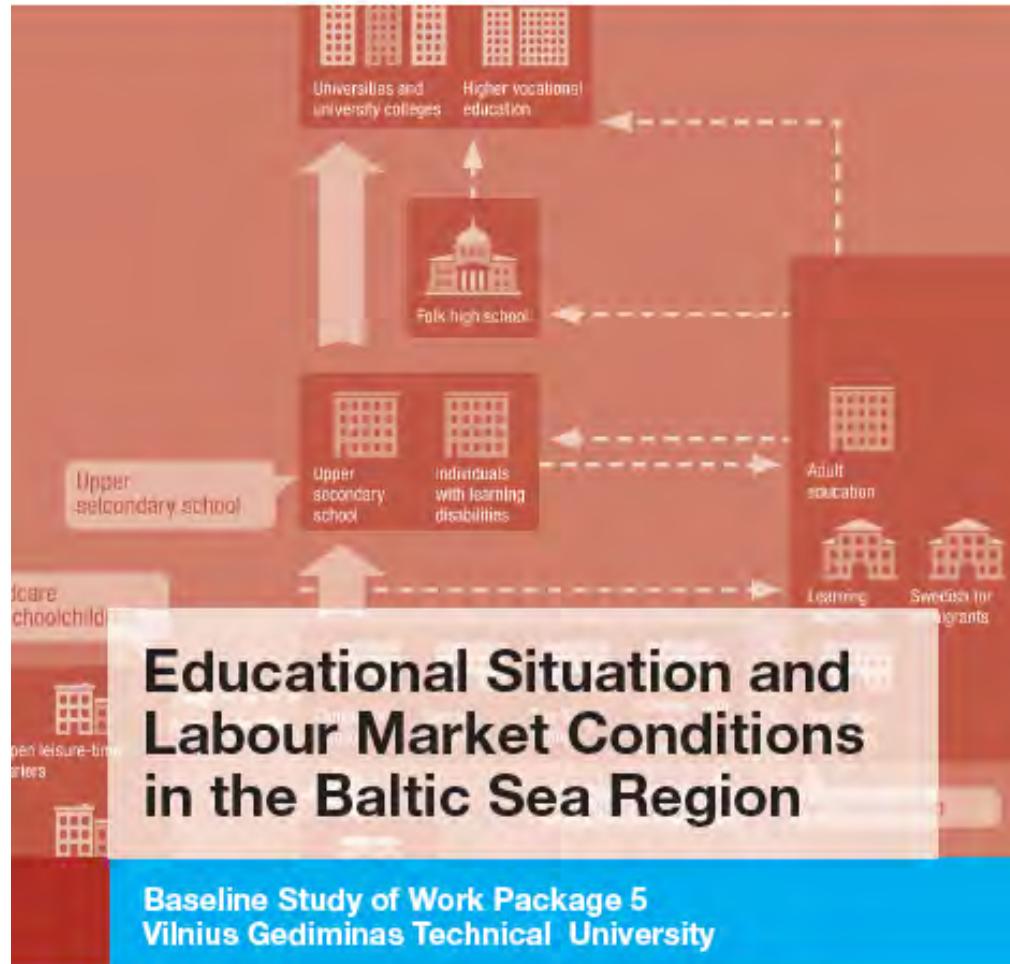
WP 3 Baseline Study



WP 4

"Handbook"





A.Blumberga, D.Blumberga, K.Zvaigznitis, G.Zogla

Handbook of Energy Consumption in Historical Buildings

Training material for specialists: planners, engineers, architects
Draft



2012

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Fästningens Materialgård



Part-financed by the European Union
(European Regional Development Fund)

UPGRADING THE ENERGY PERFORMANCE OF ELMEHUSET IN THE OLD PEOPLE'S TOWN

REPORT - PRODUCED FOR SBI OCTOBER 2012

Danish Building Research Institute (SBI), Aalborg University



KANT ARCHITECTS A/S / RYESGADE 19C, 2.5AL / 2200 KØBENHAVN N / RIKKE MUNCH



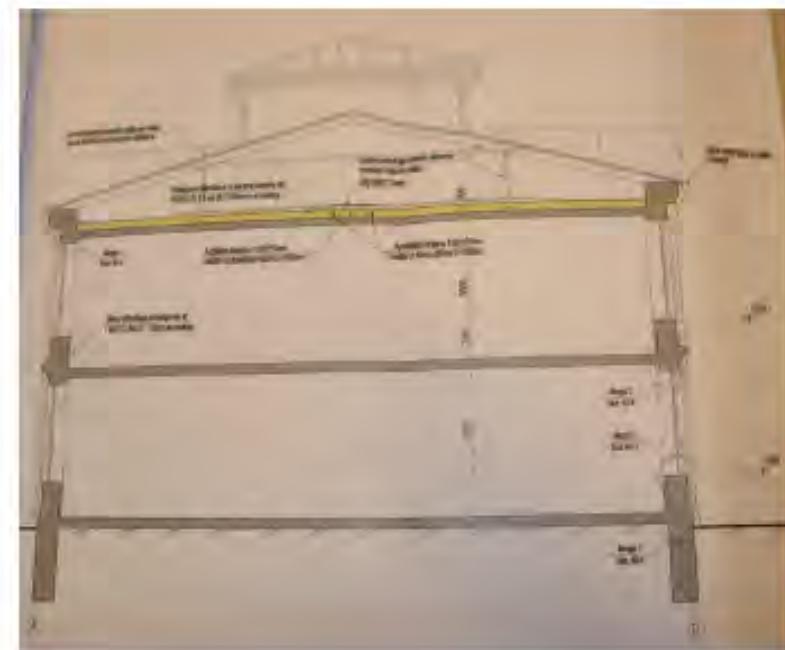
December 2012

CO₂OL BRICKS

Upgrading the energy performance at Kavalergården

Energy efficiency measures: Liepaja Art School

- Wall insulation from inside with mineral wool (70 mm)
- Damaged bricks have to be fixed before renovation
- Attic insulation with mineral wool 200 mm
- New heating system with thermoregulators on every radiator





Wall tempering

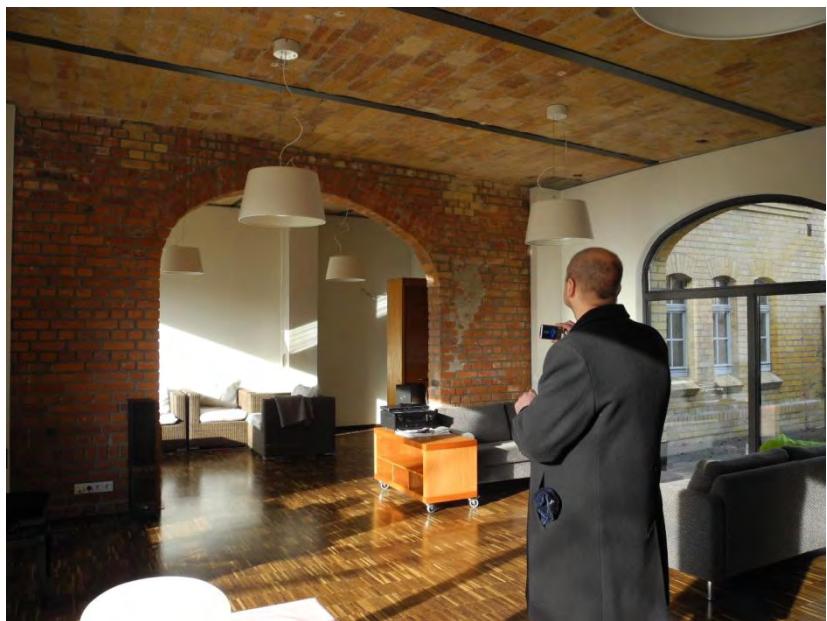
Photo: Schwan & Spehr
Energy management



Leipzig
Denkmal-Messe
23.11.12



Part-financed by the European Union
(European Regional Development Fund)





Co2olBricks – Kiinko excursion to Stockholm

22.-24.4.2013

Monday 22.4. Arrival to Stockholm, Hotel not yet decided

13:00 -14:00 Travel from hotel to Värtan

14:00- 15:30 Gasverket i Värtan by Per Andersson, City Development Administration who guides us through refurbishment challenges from the project manager/ owner point of view. A lecture about the redevelopment of "The old gas works area" of Hjorthagen by Tomas Örn from the Stockholm City Museum and the project Co2ol Bricks.

15:30 - 16:00 Coffee break

16:00 - 18:00 Visit of the old Gaswork area. The gas works area contains cultural historical values with Swedish architect Ferdinand Boberg's brick gasholders from late 19th century as important landmarks.





Construction Establishment of Finnish Defence Administration



Käpylä Primary
School, City of
Helsinki



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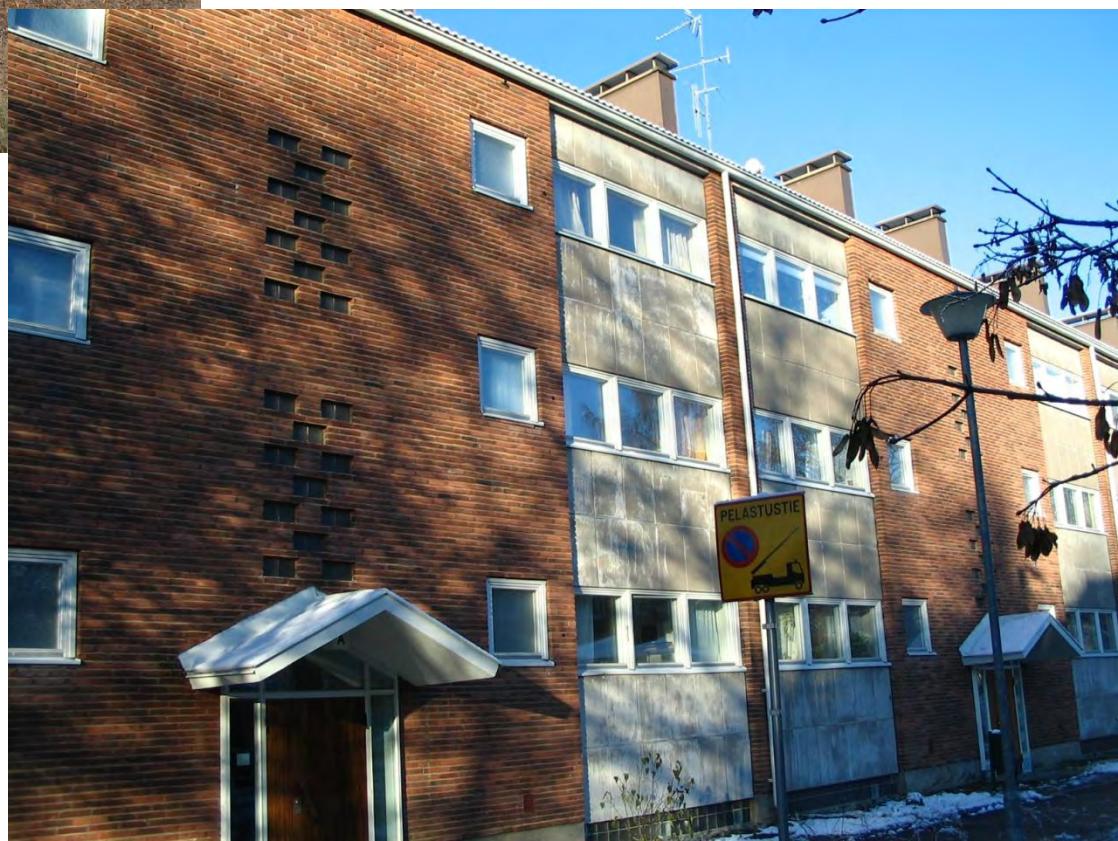
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www.co2olbricks.eu

Kiitos!



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