Recent Activities in Rakennustieto
Construction Sector Output in 2013

Total bill. 28.8 €

Building Construction bill. 22.6 €

Civil engineering bill. 6.2 €

Repair and maintenance bill. 11.4 €
- Residential bill 6.5 €
- New building bill. 11.2 €
- Non-residential bill. 4.9 €

Non-residential bill. 4.9 €
- Non-residential investment bill. 4.5 €
- Non-residential maintenance bill. 1.7 €

Source Forecon Oy
Confederation of Finnish Construction Industries 15.4.2014
Construction Volume

Index, 1985=100

- Building Renovation and Modernisation
- New Residential Construction
- New Non-Residential Construction
- Civil engineering

Source: Euroconstruct (VTT)

Confederation of Finnish Construction Industries
Gross Domestic Product and Construction

change in volume from previous year, %

Source: Statistics Finland, RT

Confederation of Finnish Construction Industries 15.4.2014
Impact of Construction

- 40% of Energy Consumption
- 40% of Green House Gases
- 17% of water consumption globally
- 25% of harvested trees globally
- 40% of material flow

- 60% of the assets of private households
- 70 000 housing companies/cooperative apartment/condominium houses. 50% are run by professional managers. In them 600 000 apartments
- 1 million detached houses

- 23% of GDP
- 22% of employment
- 70% of National assets
- 55% of Investments
- 10% of Export income, strongly positive
- 1 € into construction yields 32 € in taxes and various fees

- Energy consumption down
  - 20% by 2017
  - 80% by 2050
- Today only 50% of all buildings 2050 are built

- >50% of the builders will be retired by 2020

Click for Statistics
Improving the quality of construction and property management
Building Information Group

• Building Information Foundation RTS
  – Private foundation, Founded 1972 (-42, -32)
  – Not-for-profit, 50 members
  – Owner and R&D unit
  – Advisory panels, approx. 400 persons/year

• Building Information Ltd
  – 63 persons, 8,3 M €
  – Company is 100% owned by the Foundation
  – Book Shop In Helsinki

• Subsidiaries abroad
  – Tallinn (Estonia), St. Petersburg (Russia)
    Independent local companies with local staff
**INFRASTRUCTURE**

“When we are designing a new bridge, I use InfrarYl to check the relevant quality standards in the final stage of the project. It’s also helpful for preparing construction plans. Finding information with the electronic version of InfrarYl is quicker and easier than using books.”

Petri Kala, DI, professional in bridge construction technology

**SELF BUILD AND HOME RENOVATION**

Reliable information helps to ensure the successful completion and high quality of self-build and home-renovation projects. Our manuals, contracts and document templates make the planning and completion of self-build and home-renovation projects easier.

**BUILDING AND STRUCTURAL DESIGN**

‘I use RT Net regularly at various stages of my design projects. The information sheets and regulation details are useful for calculation of dimensions in the planning phase, while the product sheets are really helpful in the working drawing stage.’

Maja Haltila, architect (SAFA)

**BUILDING SERVICES ENGINEERING**

‘LVI Net saves me time because I can get all of the relevant up-to-date instructions, regulations, and standards from the same place. Our company doesn’t need a separate library for this purpose.’

Titta Vittala, HVAC designer and technician

**PROPERTY MANAGEMENT**

‘The project templates available on KH Net are indispensable to both new and experienced professionals. They cover everything from project planning to warranty inspection, with administration, contracts, and technical aspects all covered.’

Anita Piisikainen, office and property manager

**INTERIOR DESIGN**

‘The guidelines on the SIT Net and RT Net Web sites set out the minimum requirements for all our designs. I use these services especially for checking issues related to dimensions, structures, and instructions.’

Martti Suurupi, interior architect (SIO)

**CONSTRUCTION CONTRACTING**

‘The information on material consumption and methods to be used on Ratu Net provide an easy way to remind everyone about the correct, safe work practices that guarantee the best possible results.’

Heikki Suomen, managing director and construction engineer
INFORMATION SERVICES FOR PROFESSIONALS

The Building Information Group’s information services offer independent advice and provide guidelines and information on current regulations and quality standards for the construction and property management sectors. The Information Service websites also provide service-specific features and specialist tools for professionals.

- **Infra Net** – consistent guidelines for infrastructure construction
- **RT Net** – the largest and most comprehensive source of information on planning and good construction practices in Finland
- **KH Net** – information for preventive maintenance and well-organised property management
- **LVI Net** – guidelines for good building services engineering practices, HVAC
- **Ratu Net and Ratu handbooks** – comprehensive information package for construction contracting and planning
- **SIT Net** – information and tools for interior-design professionals

WEB SERVICES AND PROGRAMS FOR PROFESSIONALS

- **Sopimusmaist Net** – document templates for easy creation of contracts
- **Klara Net** – resources for reliable cost estimates and preparation of contract tenders
- **RT Tuotetieto** – Finland’s most comprehensive search engine for building products
- **ALISA** – efficient project management and invoicing tools for architects and designers
- **MX6 Energia** – an application for calculating and improving energy efficiency
- **Raiku2** – tools for infrastructure cost and tender estimates

BOOKS

**For professionals and students**
- practical guides, handbooks, research reports, and textbooks
- international architecture books
- annual publications on cost estimates and Rakentajain Kalenteri (‘the Builder’s Yearbook’)

**For self-builders**
- user-friendly guides to building, renovation, decoration, and cost estimation

RY RAKENNETTU YMPÄRISTÖ
(‘RY BUILT ENVIRONMENT’)

A professional journal focusing on the practical aspects of town planning, enforcement of building regulations, and protection of the environment.
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<th>Year</th>
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Building Information Group

• NEWS
  – New CEO: Pasi Hulkkonen
  – Exhibition closed
  – Periodicals Unit closed
  – Local Building Centres closed
  – New modern Premises

• Essential Development efforts at present
  – RYL for HVAC
  – RYL for refurbishment and renovation
  – Product Information
  – Branding
  – Modelling Guidelines for Infra (13 series)
  – Modelling Guidelines for Building Permits (COBIM 14)
  – Inframodel3 Data Exchange format into buildingSMART
  – buildingSMART growing fast (94 members)
Käyttöliittymä näkökulma
A FULL-SERVICE INFORMATION AND MEDIA COMPANY FOR THE CONSTRUCTION SECTOR

– WE PROMOTE GOOD PLANNING, CONSTRUCTION, AND PROPERTY MANAGEMENT PRACTICES IN FINLAND –

The Building Information Group comprises Building Information Foundation RTS and Rakennustieto Oy (Building Information Ltd), which is fully owned by the Foundation.

Building Information Foundation RTS is an independent organisation whose aim is to promote good planning, construction, and property management practices. The foundation produces tools and resources for construction industry management and quality assurance work in collaboration with professionals and customers.

Rakennustieto Oy converts the available information into information products that promote good practices and publishes them in forms that are accessible to its customers: instructions, contract templates, handbooks, and computer programs.

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