

BUDI-Workshop 14-15 April 2005 in Graz

1. Basic information about JSP and Wellcon Development
2. Summary of the market study
3. Status of building directive legislation

Jyväskylä Science Park and Wellcon Development



Jyväskylä Science Park Oy

- full service science park
- 57 % owned by municipalities of Jyväskylä region
 - 36 employees
 - annual turnover 12 €
- industry development, business development, facility services
 - www.jsp.fi

Wellcon *Development*

Wellcon Development Oy

- founded in 2002
- 100 % privately owned
- three employees with over 60 years cumulative experience
 - strategy and organisation development,
new business development
- provides in house consulting service for JSP in BUDI
 - www.wellcondevelopment.com

CV Juha Koskinen (born 1959)

Education

1978 - 1983

Technical University Helsinki

Master of Science (electrical engineering, industrial economics)

1982 - 1986

University Helsinki

Master of Science (economics)

Career summary

1982 - 1999

Siemens Finland and Germany

Sales and project engineer, Sales Director, Vice President and Executive, President of industrial consortium

1999 - 2002

Sanmina Oy (formerly Essex Communication Oy)
CEO

2002 -

Wellcon Development Oy
Chairman and CEO

Experience

- Energy, automation, transportation, electronics, service business and consultancy
- Over 20 years in international companies
- Projects in most European countries, USA, Canada, China, Singapore, Russia

Basic data about buildings in Finland

- Population 5,3 million
- Residential buildings 1 150 211
 - Blocks of flats 53 000
- Other buildings 193 279
- Summer cottages ca. 450 000
- Construction:
 - > 30 mil. m³ / year
 - all dwellings 30 000 units / year
 - clear trend towards detached houses
- Dwellings market
 - Detached houses ca. 10 000
 - Apartments ca. 67 000

Market estimate for certificates

- Blocks of flats
 - 53 000 units
 - approximately 20 000 certificates yearly
 - one time market for three years
 - may be repeated after 10 years
- Detached houses
 - 1 100 000 units
 - approximately 20 000 certificates yearly
 - steady market for at least 10 years
- Need for accredited experts will be 1000 - 2000
- Needed capacity will be 500 - 1000 man years annually

Experience with Energy Performance Certifica

- no experience until today

Questions and comments

- certificates will be issued for new constructed buildings as part of the planning process > no available market for external service providers ?
- the level of details of the calculation models is still to be defined
- the level of recommended actions in certificates is still unclear
- What kind of buildings, other than residential, will be included ?
- minimum energy performance requirements are still to be defined
- In what degree recorded energy consumption will be included in the certificates ?
- time is ready for piloting in Q4 2005 (draft legislation available)
- The Ministry for trade and industry as well as the Ministry for environment are interested to participate in the project (financing and results)

Ideas for information and awareness raising

- co-operation with Motiva Oy (a Ministry for trade and industry owned energy efficiency agency)

Status of building directive legislation in Finland, April 2005

WORKING GROUPS

- DIRECTIVE EXECUTION COORDINATING GROUP
 - COORDINATES THE WORK OF THREE OTHER GROUPS
- CHANGES IN BUILDING LEGISLATION
- LEGISLATION REGARDING ENERGY EFFICIENCY CERTIFICATE
- LEGISLATION REGARDING HEATING BOILER AND HVAC UNIT INSPECTIONS

SCHEDULE

- WORKING GROUPS 5.5.2004-31.12.2005
- DRAFT PROPOSALS READY 30.4.2005
- CIRCULATION FOR COMMENTS, MAY 2005
- FINAL DRAFT, FALL 2005
- PARLAMENT DISCUSSION BY THE END OF 2005

CALCULATION MODEL

- THE WORK OF PROJECT PREPARING THE CALCULATION MODEL IS IN CIRCULATION FOR COMMENTS
- LATER IT WILL BE FORMULATED AS PART OF LEGISLATION AND CIRCULATED AGAIN AND TO BE APPROVED BY PARLIAMENT BY THE END OF THE YEAR

EFFECT ON PROJECT

- THE FINAL MODEL WILL NOT BE AVAILABLE UNTIL EARLY 2006
- WE DO NOT KNOW YET WHETHER THERE WILL BE ONE OR SEVERAL ACCEPTED CALCULATION MODELS
- YEAR 2005 PREPARATORY AND FOLLOW-UP
- 2006 PILOTS, TRAINING AND DISSEMINATION