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The experiences and best practices of Finnish professional building owners in overcoming split incentives in energy efficiency

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The Finnish Association
of Building Owners and
Construction Clients



RAKLI brings together property and construction professionals.

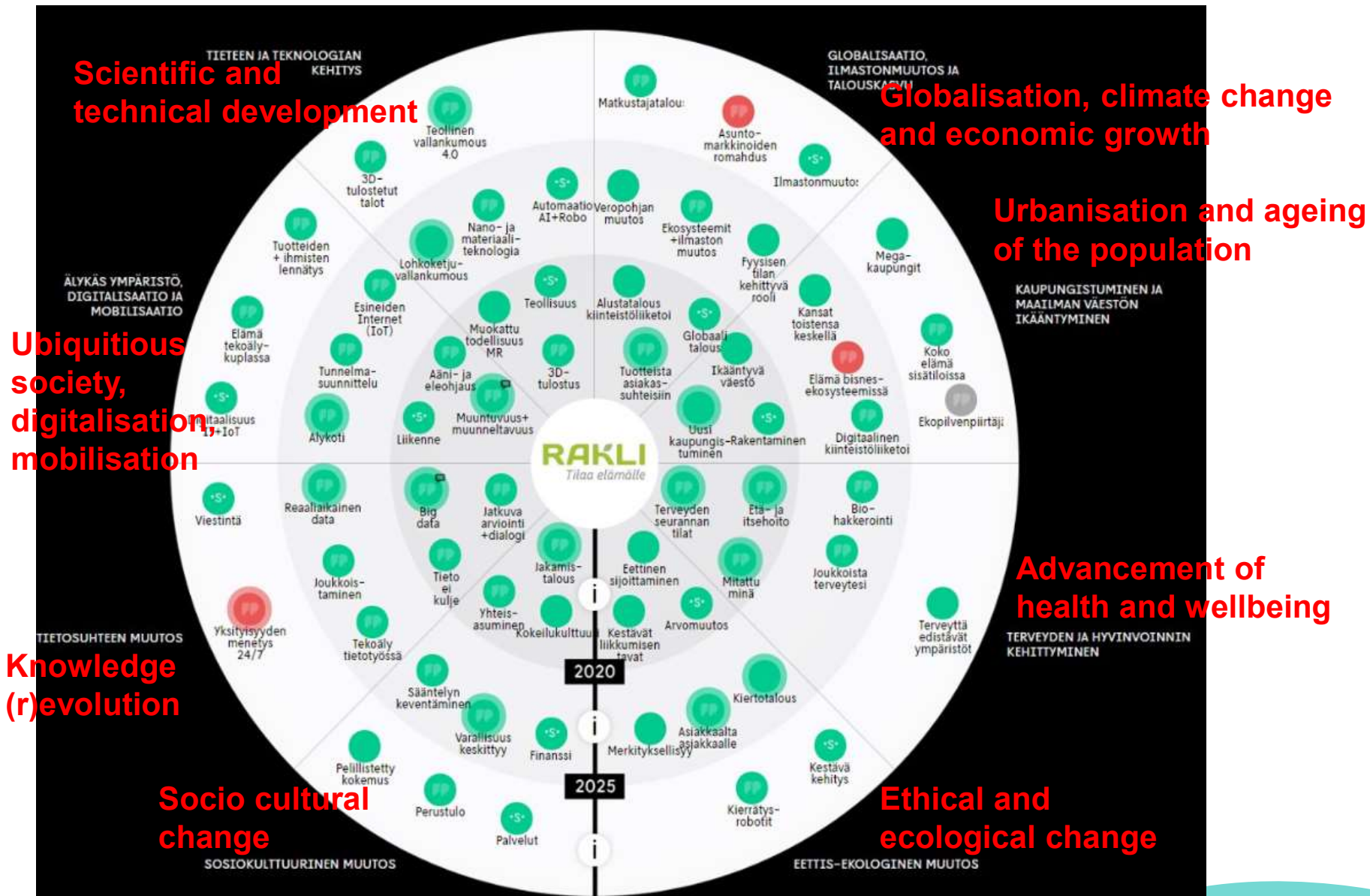
RAKLI's members include Finland's most prominent owners of residential and commercial properties and infrastructure, tenants of commercial facilities, property investors, building contractors and service providers.

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**Together we will ensure that
there is space for good life in
Finland**

The needs of the building users are changing

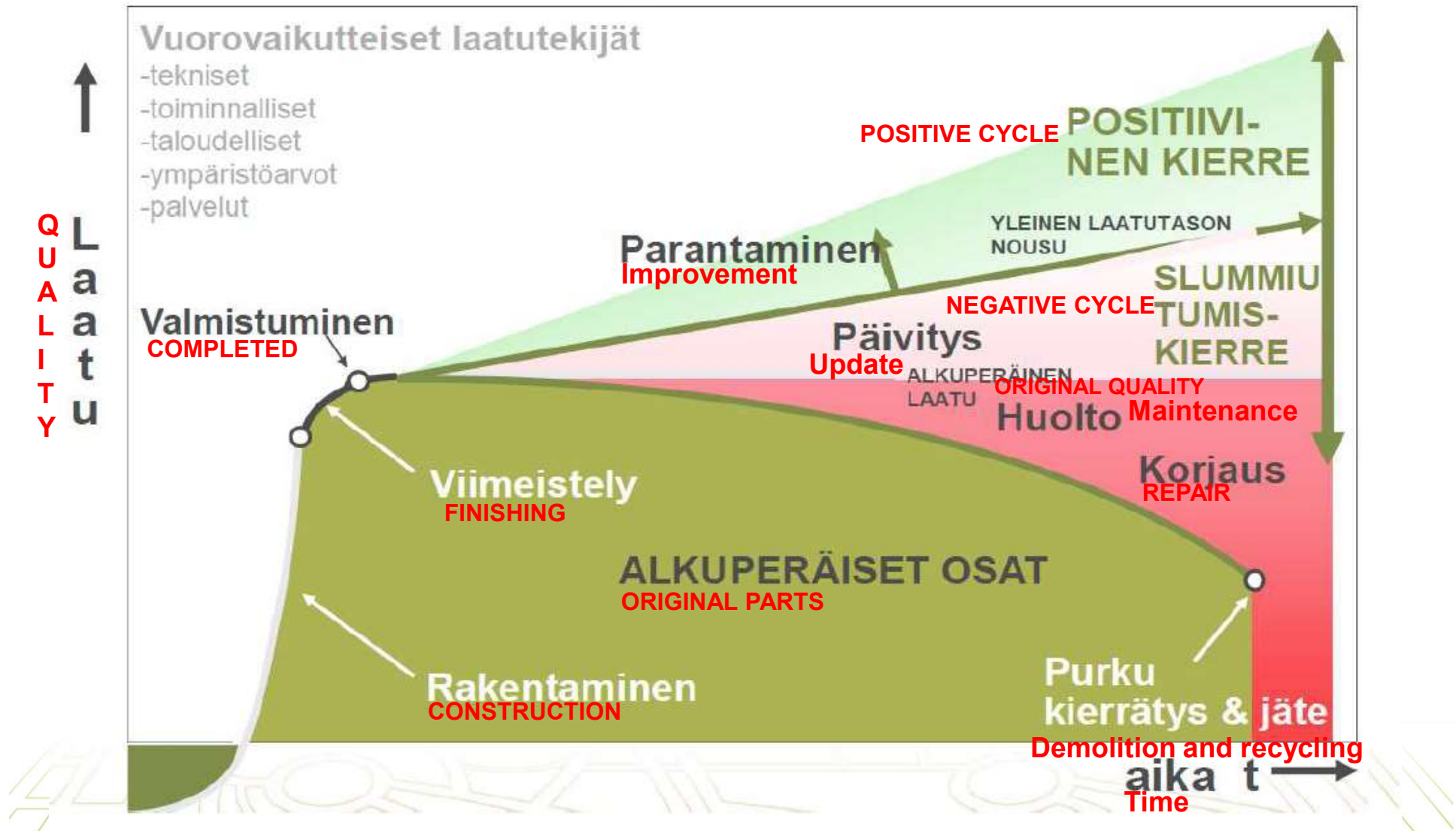
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Tilaa elämälle

Challenge - Real estate lifecycle and quality control + rising maintenance costs



Responsible Real Estate Management for building owners

- Reporting principles:
 - GRI, EPRA, INREV
- Reporting framework
 - GRESB – ESG benchmark of Real Estates
- Global Principles
 - UN PRI, UN Global Compact
- Certifications
 - LEED, BREEAM
- **Voluntary energy saving contracts of finnish Real Estate industry – Finnish model for reaching EED – targets, Green Deal concepts**
 - TETS, VAETS – Based on energy saving actions done by owners
 - 2010-2016
 - 2017-2025



Overcoming split incentives in energy efficiency

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- Lookahead and professional asset management (data and knowledge driven) keys in overcoming split incentives
 - Book of maintenance, long term plans (technical, economical)
- Targets for professional building owners come from voluntary energy saving contracts
 - Targets set, actions can be divided according to individual building strategy
 - Investments to energy saving are at the heart of the voluntary contracts
- Role of rental contracts relates to building types: residential, commercial, office, logistic

Energy efficiency work – long term renovation planning

- When the target is to enhance energy efficiency measures and indoor environment conditions during the building life cycle the important things are:
 - The knowledge gathered during normal building maintenance
 - Active energy efficiency view to long term repair planning
 - The key is to find good ways to gather information during maintenance (maintenance personel, energy audits/inspection, monitoring buildings)
 - When there is sufficient information that can be compared to energy consumptions → plan activities and divide them for different years
 - Investors/Owners own know – important for the process

• PTS tiedot (Excel)

Tunnus	Kiinteistö	8.5.2014 Kohde	Granlund Manager PTS-Tunnus	Nimi	Vaihe	Toimenpideluokka	Peruste	Aloitusaikajako	Lopetusajankohta
73750	KI OY XXX	73750 KI OY XXX	111	A-talon keittiön tavarahissin korjaus	PTo Päätetty toteuttaa	111 Aktivoitavat	Muut toimenpiteet	12.5.2014	30.6.2014
73750	KI OY XXX	73750 1 G1 Lämmitysjärj	14181	Pääsisäänkäynnin sulane	Har Harkitaan toteuttam	112 Ei aktivoitavat	Muut toimenpiteet	1.1.2014	31.12.2014
73750	KI OY XXX	73750 1 G1 Lämmitysjärj	14180	Patteriverkoston lämmö	PTo Päätetty toteuttaa	112 Ei aktivoitavat	Energiansäästötoimenpi	1.1.2014	31.12.2014
73750	KI OY XXX	73750 KI OY XXX	etod	A-talon Kesäaikaisten sis	Har Harkitaan toteuttam	112 Ei aktivoitavat	Energiansäästötoimenpi	1.1.2015	31.12.2015
73750	KI OY XXX	73750 1 G1 Lämmitysjärj	etod	A-talon Autohallin sisälä	Har Harkitaan toteuttam	112 Ei aktivoitavat	Energiansäästötoimenpi	1.1.2015	31.12.2015
73750	KI OY XXX	73750 1 G1 Lämmitysjärj	etod	A-talon Yöaikaisten sisälä	Har Harkitaan toteuttam	112 Ei aktivoitavat	Energiansäästötoimenpi	1.1.2015	31.12.2015
73750	KI OY XXX	73750 1 F8 Siirtolaitteet		A- ja B-osien hissien mod	Har Harkitaan toteuttam	111 Aktivoitavat	Muut toimenpiteet	1.1.2016	31.12.2016
73750	Y XXX	73750 MYS W3 Sähkön m	Ei tunnusta	Valaistuksen uusiminen	Har Harkitaan toteuttam	111 Aktivoitavat	Energiansäästötoimenpi	1.1.2017	31.12.2017
73750	KI OY XXX	73750 2 F8 Siirtolaitteet	1XXXX	Hissit C- talo modernisoi	Har Harkitaan toteuttam	111 Aktivoitavat	Muut toimenpiteet	1.1.2018	31.12.2018
73750	KI OY XXX	73750 MYS Turva	1XXXX	Luolan YSS-tilan tiiveysk	Har Harkitaan toteuttam	112 Ei aktivoitavat	Muut toimenpiteet	1.1.2020	31.12.2020
73750	KI OY XXX	73750 1 G3 Ilmanvaihto	1XXXX	IV-koneiden kunnostus	Har Harkitaan toteuttam	111 Aktivoitavat	Muut toimenpiteet	10.8.2020	7.5.2021
73750	KI OY XXX	73750 2 G51 Paineilmavä	1XXXX	Paineilmakompressorin	Har Harkitaan toteuttam	111 Aktivoitavat	Energiansäästötoimenpi	1.1.2021	31.12.2021
73750	KI OY XXX	73750 1 G1 Lämmitysjärj	1XXXX	Lämmitysjärjestelmän k	Har Harkitaan toteuttam	111 Aktivoitavat	Muut toimenpiteet	1.1.2023	31.12.2023

Overcoming split incentives in energy efficiency

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- Green Lease Agreement model made by RAKLI back in 2011
- Green Lease model not in widespread use but rental models tend to back tenants energy savings (Tenants pay for energy consumption, capital rent + maintenance rent model common in non residential property)
 - Lot of interaction between landlords and tenants relating to energy consumption figures. Tenants interested about Energy Efficiency – dialog about possible actions
 - Environmental certificates also key driving force from the tenants side

Overcoming split incentives in energy efficiency

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- Renewal of rental contract best opportunity to get energy efficiency measure with split incentives done
- Possible demands for environmental certificates in addition to energy savings by the tenants during rental contract negotiations
- Rental contract cases with energy efficiency aspects can lead to WIN-WIN situations:
 - Lower costs, better indoor air quality and substance for environmentality for tenants
 - Extended maturity, higher capital rent and higher level of tenant commitment for the landlords
- Investments can be done also without renewing the rent contract for example through case by case calculated investment rent – multiple choices for financing the energy efficiency actions
- State financial subsidies relevant in some cases

Energy saving investments used in split incentive cases

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- Investment used in split incentives situations are usually minimum risk energy efficiency investments to ensure the benefits will actualise for both parties – key is to understand the risks associated with different investment types
- The commitment of both parties essential – calculations and estimates can be ordered from multiple sources
 - Low risk investments: lighting, cooling system, solar panels, (heat pumps)..
 - High risk saving investments: building automation, ventilation systems..





Thank you!

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