



Pirkanmaan kestävät ja älykkäät tekstiilit - Sustainable and smart textiles PILOT 2

Industrial wash & end user cycles + UHF-chips

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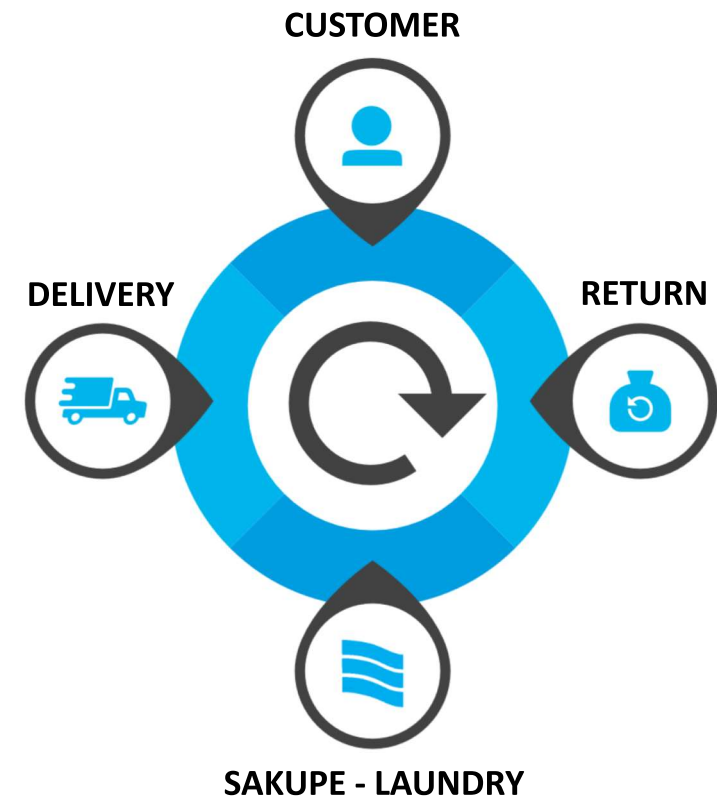
Sakupe Oy

- Textile renting company
- Laundries at Siilinjärvi, Jyväskylä and Joensuu
- Sakupe Oy own all rented textiles
- Textiles logistical circulation are tracker by RFID-chip
 - Chip read to Sakupe Database (Tikos) when they arrive from supplier
 - Chip read at laundry everytime textile send to customer (packing) and when come´s back (sorting area)
 - Chip is removed from active use at Database when textile take off use and send to recycle
- Example chips:

Fujitsu (patien textile)



Datamars



Rented textiles logistical cycle

PILOT2: washing and use cycles

- Patient textiles: college jacket and trousers
- Test use at Hatanpää hospital
- Clothes has Fujitsu chip and NFC-chip(Fentec)
- Sakupe has added clothes to database and these are latest the results
- Database has information about supplier and supplier article number



Article number (Sakupe Oy)	Article	Chip-number	Size	Wash	Activating date	Last return	Last delivery
S10019000	Collegehousut	2831B38303809385	M	5	20.3.2023	5.5.2023 12:30:00	9.5.2023 12:51:00
S10019000	Collegehousut	2831B38303BDA3F4	M	5	20.3.2023	13.5.2023 17:40:00	9.5.2023 12:51:00
S10021000	Collegetakki	2831B38211652513	M	4	20.3.2023	12.5.2023 12:10:00	28.4.2023 11:28:00
S10021000	Collegetakki	2831B3830340DF6	M	3	20.3.2023	16.5.2023 12:20:00	5.4.2023 15:03:00

Digital passports advantage and project

- Visibility of production chain to buyer and end user
- Tracking of used materials; example on reclamation solving
- When textiles are sent to recycling, they have information about used materials
- Sakupe Oy: Increased knowledge about digital passport and how we can benefit in textile renting business

Pirkanmaan hyvinvointialue

- Provides public healthcare, social welfare and rescue services
- The largest wellbeing services county in Finland
 - Consists of 23 municipalities
 - More than 0,5 million inhabitants
 - The largest employer in Pirkanmaa
 - 19 000 employees

