



Arctic

SMARTNESS

VILLAGE

ARCTIC SMARTNESS VILLAGE

HELSINGIN SANOMAT
MATKAA SUUNNITTELEMASSA?
ROVANIEMI
MENO PALJON ALK. **75 €**

Juri Laurila haluaa perustaa tyhjästä 500 asukkaan kylän keskelle Lappia – "Kaupungeissa asuu kasvava ihmisryhmä, joka haluaisi muuttaa rauhallisempaan paikkaan"
Älykylä tuottaisi itse osan energiastaan. Sodankylän kunta on hankkeelle myönteinen.

yle UUTISET
Huomenta Suomi

Sodankylään suunnitellaan täysin uutta 500 asukkaan kylää
Suunnitteilla oleva kylä tuottaa itse oman energiansa ja sieltä voi hurauttaa robottibussilla Sodankylän keskustaan.
Sodankylä 4.5.2017 klo 18:03

Lapin Kansa
Uudenlainen mallikylä suunnitteilla Sodankylään, energia tuotetaan ja ruokaa kasvatetaan kylässä, asukkaat osaomistajina
LAPIN UUTISET 04.05. 16.00 Päivitetty 16.09

Arctic SMARTNESS VILLAGE

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"A New Smart Living"



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"A New Standard of Living"

- The Most Resilient Communities
- A new vital concept of smart living
- Modern place to live near of nature
- Aim is to Colonise the countryside by making the step smaller for moving out from the cities using technology and new way of thinking.
- Directing the moneyflows to inner circle with own production at the village increase the vitality of the villagers.
- A Model Village to Sodankylä. Building starts 2020-2021.



Smartness is it all..

"Think everything!"

Energy

- production
- Smart Grid
- guiding
- optimization
- markets
- reports
- storage

Circular economy
Environment
cleantech

Communality

- EVON community
- communications
- reservations
- decision making
- shared spaces
- happenings
- ownerships



Living

- IoT
- locking
- lighting
- security, monitoring, adjustment

Smart traffic
Networks
Anticipation

Economy

- ownership models
- shared usage
- production/business
- savings

Wooden buildings

“Healthy living”

- Locality
 - Ecologic
 - Low carbon print
 - Health
 - Esthetic
-
- Modular building
 - All size buildings



Smart Living

“Easy and safe”

- Smart technology at everyday living
 - Sound and motion direction
 - Lights
 - TV
 - Computers
 - Tablets
 - Sound devices
 - Shopping lists
 - Safety with sensors
 - Alarms
 - Burglary
 - Water damages
 - Changes at health
 - Changes at conditions
 - Structular conditions at buildings
 - Air quality



Energy production

“Self-sufficient at energy – money stays at villagers”

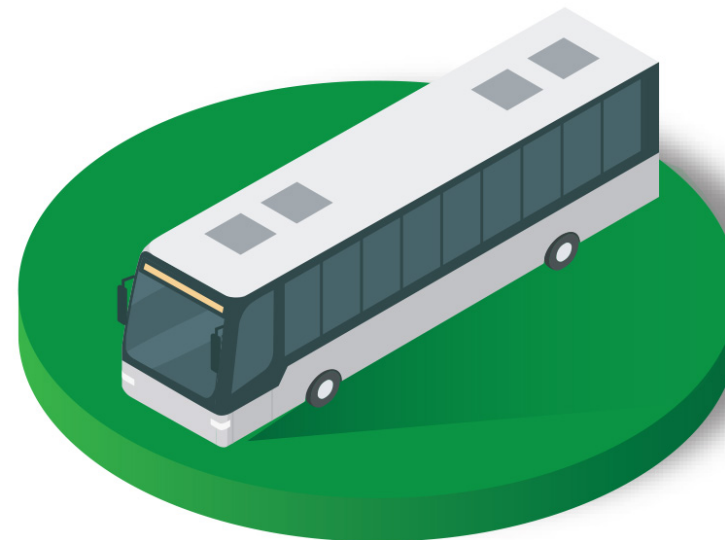
- Energy plant
 - Electricity
 - Heat
 - Biofuels
 - Biogas
- Raw-materials
 - Wood
 - Biowaste and side streams
 - Other bio raw-materials
- Solar
 - Electricity
 - Heat
- Waste-heat utilization



Digitalization (Sodankylä)

"The future is already here"

- Control systems
 - Energy, lights, heat etc.
- Communication
- House technic
- Smart traffic
 - Autonomical bus
- 3D –production lab
 - 3D printed products
- And what there will be..



BLUE BIOECONOMY (Sodankylä)

“Local food and Services”

- Fish and seaweed farming
- Greenhouse
 - Utilising CO2 and nutrient water from fishery
 - Water cleaning
 - Oxygen
- Recreation
 - Fishing, ice fishing
 - Boating, paddling
 - Swimming etc.



CLEANTECH (Sodankylä)

”cleaner environment”

- Water treatment
 - Water treatment plant
 - The separation of the waste water with double plumbing
- Closed circulation systems
 - Fish farming/ greenhouse
- Everyday circulation economy
- Renewable energy sources



Communality

“Together with friends”

- Technical solutions
 - Structural solutions
 - Architectonic planning
 - Motivation to work together
 - Concrete benefit's
- Culture of working together



Shared Economy

“Together wellnes for everybody”

- Inhabitants are owners
- Cooperatives, companies, associations
- Group building
- Shared economy at travel
 - Open houses
 - Activities
 - homestay
- Participation and decision making
- Joint spaces at the village
- Shared use cars, boats and other devices



Travel (Sodankylä)

"A true Lapland goes to your heart"

- Model Village as an target
- Hotel
- Location
 - Near of services and nature
 - 3 airports
 - Not (really..) competition
 - Mines
- Lapland
- Local products
- Meetings
- Participatory travelling
- Farm travelling (animal nursering, domestic animal farm etc.)



FARM (Sodankylä)

“Local food with locals”

- Farming
- Cattle
- Participatory travelling
- Domestic animals
- Farm work
- Greenhouse work



Village (Sodankylä)

”Home with jobs and services”

- Citizens 500
 - School
 - Daycare
 - Old people services
 - Healthcare services
- Jobs
- Home Offices
- More services to area
- Vitality around areas by increased demand of products and services



Dream of Sodankylä 2020

”Smart Village makes dreams true”

