



Innlandet Hospital Trust

HELSE  SØR-ØST

# **New technology to support decentralised healthcare**

Randi Lilleengen Beitdokken

# Agenda

- Decentralized health care – Innlandet Hospital Trust
- Logistic challenges to secure equal health services
- Where are we heading?
- New technology

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# Innlandet

- 48 municipalities
- 400.000 inhabitants

## Innlandet Hospital Trust

- More than 40 addresses, including:
  - 6 hospitals (somatic)
  - 2 psychiatric hospitals
  - 29 ambulance stations
- 10.000 employees
- Annual budget, approx. NOK 8,7 billion



Sykehuset Innlandet

– vi er der når du trenger oss!

# On a normal day...

- 1487 outpatient consultations
  - 916 hospital admissions
  - 107 day treatments
  - 52 ambulances stand-by
- 
- 12 633 blood test analyses
  - 853 microbiology test analyses
- 
- 10 466 blood donations per year



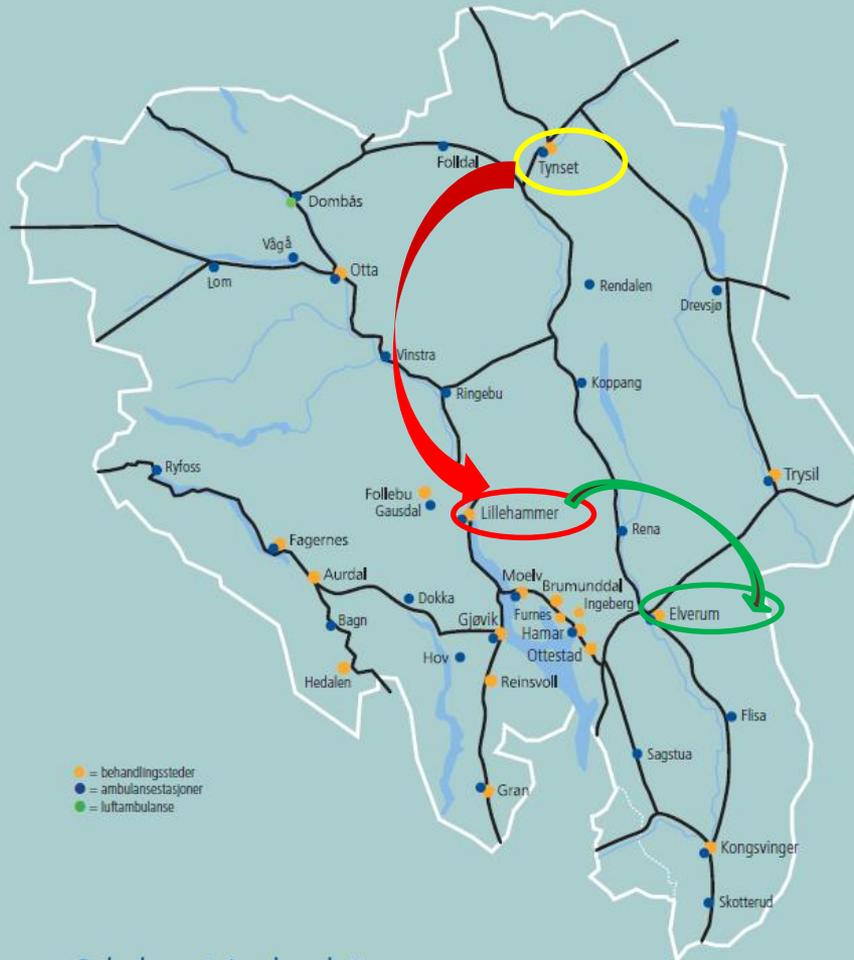
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# Challenges

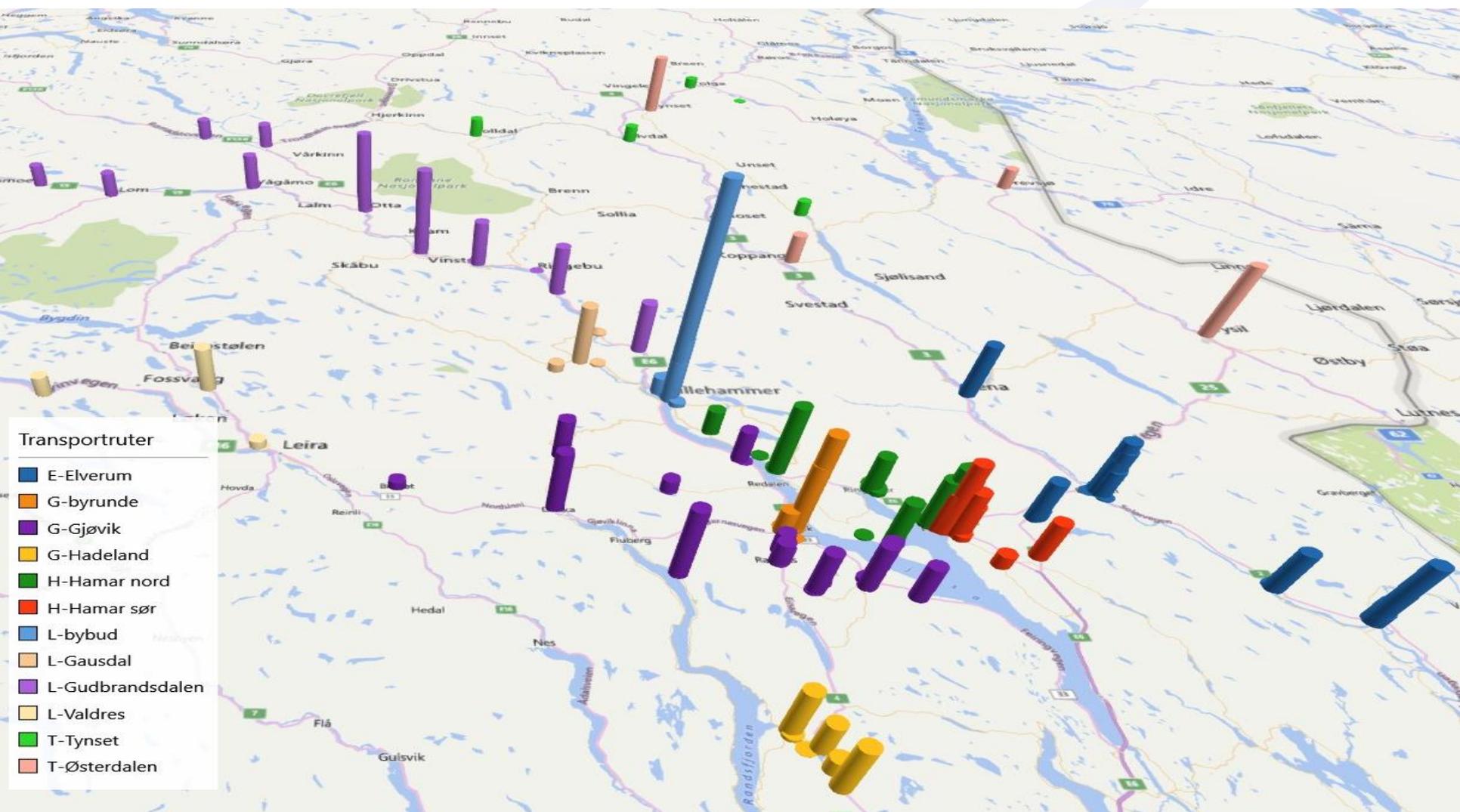
Tynset – Lillehammer 274 km  
Lillehammer – Elverum 88 km

Weather conditions



Sykehuset Innlandet

– vi er der når du trenger oss!



**RUTE Lillehammer - Gjøvik - Moelv - Brumunddal - Hamar - Elverum**

Går dag		DX67	DX67	DX67	DX67	DX67	6H	DX67	DX67	DX67	7
Fra	Lillehammer		08:00		09:30	09:30		10:15*		17:05	15:15
Til	Gjøvik		08:50			16:00		11:30*		17:55	
Fra	Gjøvik		09:00	10:00						18:00	
Til	Moelv			10:35							
Fra	Moelv			12:30							
Til	Brumunddal		09:25	13:30	10:30						
Fra	Brumunddal		09:30	13:35	10:35						
Til	Hamar		09:45	14:25	11:30					19:15	16:00
Fra	Hamar	08:00					10:15	13:45	14:30	19:20	16:05
Til	Elverum	08:30					10:50	14:25	15:15	20:05	
Til	Kongsvinger										17:50

**RUTE Elverum - Hamar - Brumunddal - Moelv - Gjøvik - Lillehammer**

Går dag		DX67	6H	DX67	2 5	1 3 4	DX67	7							
Fra	Kongsvinger														18:00
Til	Elverum														19:45
Fra	Elverum	08:40							10:15	11:00	14:30			20:10	20:00
Til	Hamar	09:15							11:00	11:30	15:00			20:55	20:30
Fra	Hamar	09:50	09:50		09:50				11:30	11:40	15:10	16:00	17:30	21:00	20:40
Til	Brumunddal								13:30						
Fra	Brumunddal			09:30		09:30		09:30							
Til	Moelv		10:35	10:35	10:35										
Fra	Moelv		10:40		10:40										
Til	Gjøvik	11:00	11:00			11:00				12:30	16:00			21:40	21:15
Fra	Gjøvik						10:00		14:30*	12:40	16:10			21:45	21:20
Til	Lillehammer				11:00		11:00	11:00	15:45*	13:30	17:00	17:00	18:30	22:30	22:00

**Forkortelser**

- 1: mandag
- 2: tirsdag
- 3: onsdag
- 4: torsdag
- 5: fredag
- 6: lørdag
- 7: søndag

\* Helseekspress ( pasientbuss som også tar med små og store pakker. Innlevering / utlevering Servicetorg )

**RUTE Lillehammer - Hamar - Oslo + retur**

Går dag		DX67
Fra	Lillehammer	09:30
Til	Hamar	11:30
Fra	Hamar	11:35
Til	Oslo	13:10
Fra	Oslo	14:40
Til	Kongsvinger	15:25
Fra	Kongsvinger	15:30
Til	Hamar	17:25
Fra	Hamar	17:30

**RUTE Hamar - Ottestad - Sanderud - Hamar**

Går dag		DX67
Fra	Hamar	12:00
Til	Ottestad	12:10
Fra	Ottestad	12:15
Til	Sanderud	12:55
Fra	Sanderud	13:00
Til	Hamar	14:30

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MJØSSYKEHUSET

POLIKLINISKE TJENESTER  
OG DAGBEHANDLING

AKUTTSYKEHUS

LOKALMEDISINSKE  
TJENESTER

DISTRIKTSPSYKIATRISKE TJENESTER

SAMHANDLING

DIGITALE TJENESTER

AMBULANTE TJENESTER



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# New laboratory services

- New procurement methods
- New automation services in laboratory medicine
- New technology provides for new procedures

# Service requirements and logistics

- Higher expectations – demanding quick answers
- New instruments provide for quick diagnostics
- Safety requirements regarding transport of blood products and biological material

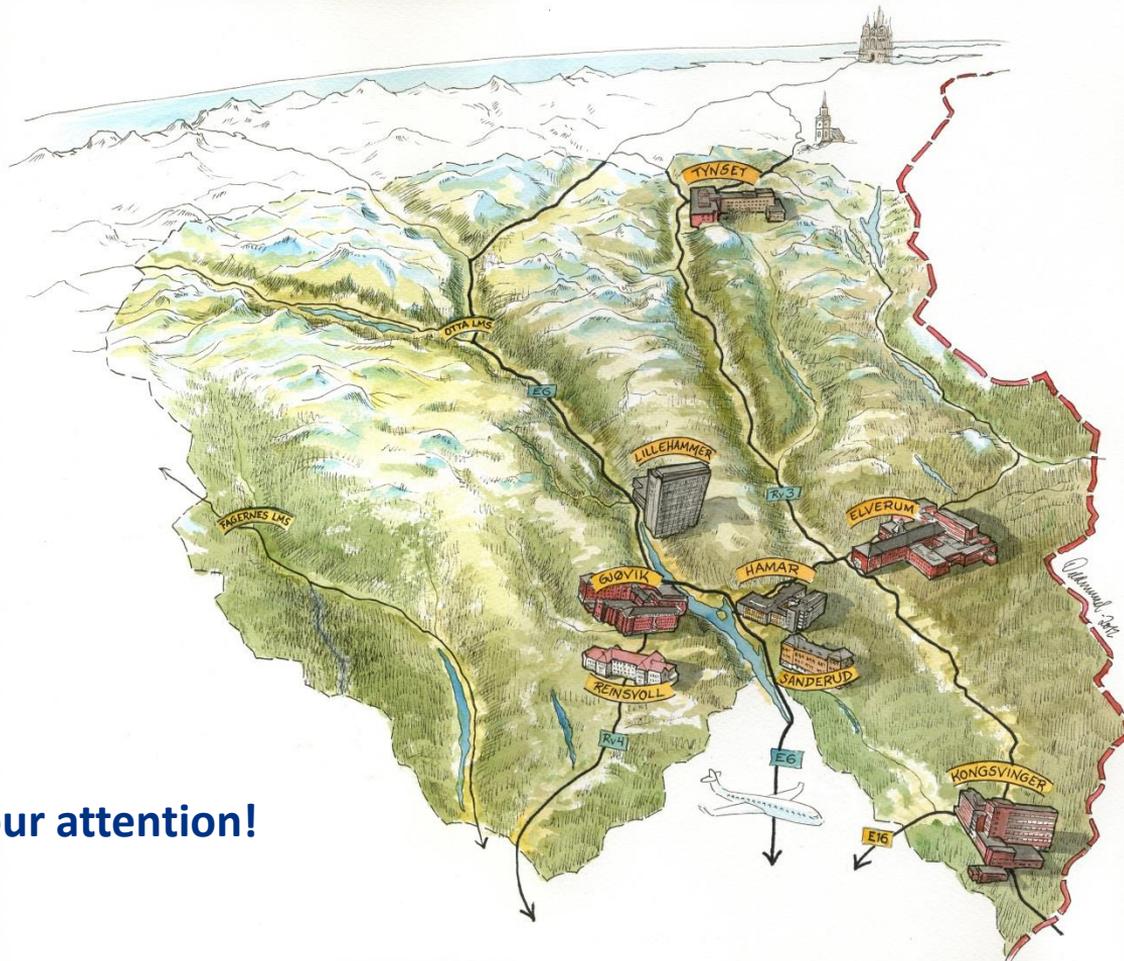
# Possible benefits with drones



- Addition to conventional delivery services - both between hospitals and from the primary health services
- Will support the target for Innlandet hospital in the future
- Faster transportation of microbiological tests to Lillehammer
- Fast shipments of blood products from the hub to emergency situations

# Value for patients

- Easier and quicker access to the required level of expertise
- Faster diagnosis
- Closer to home – sending samples instead of patients
- Priority in the health services – giving more health to the patients instead of using a lot of time and money on transportation



**Thank you for your attention!**