













Requirement of road users for a safe and usable road network at all time

Increase of traffic volumes

Need of cost savings













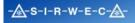
Road Safety

Economy

Environment













Online Communicationand Management-Technology

modern & efficient
Winter Service
Operations







SCM - Surface Condition Management



Weather Service



Weather Data and Forecast

RWIS stations



Weather and Road Surface Data

Management System



Maintenance Vehicles



Vehicle Operations
Data; AVL

FAST- Systems



Traffic Management Systems



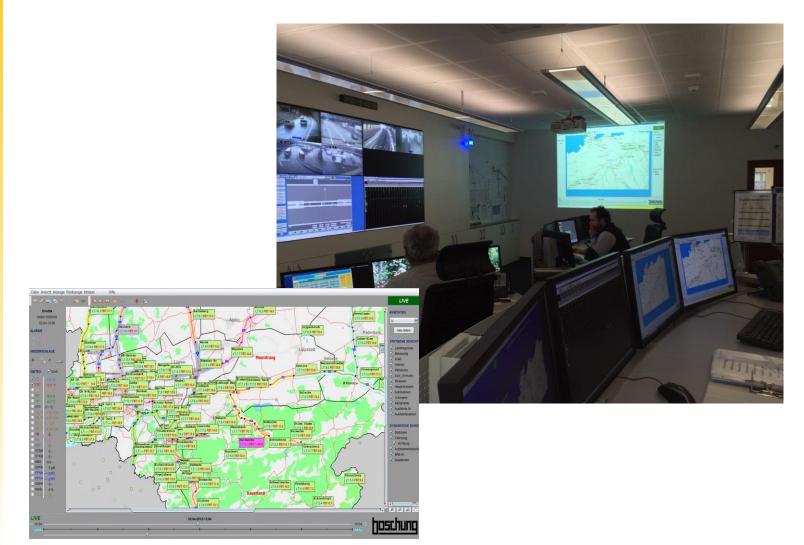








Visualisation and Management in Winter Service Centre:









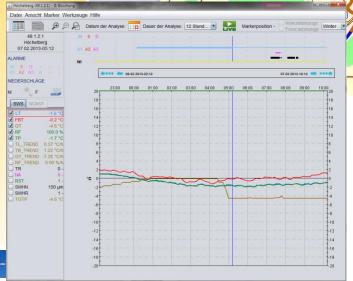


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Tiefbauamt

Stadt Bern





Kehrmaschine - Einsatzbericht

Fahrer:	Duro Dorian	Fahrzeug: Kennzeichen:			Datum: 13.06.2013		
Geräte :	Kehr Intern 645		Einsatzzeit :		0:38 Std		
			Einsatzdistanz :		1.8 Km/Std		

Fahrzeug					
Einsatzbeginn:	13.06.2013	9:24 Uhr	Fahrzeugzeit :		1:00 Std
Einsatzende:	13.06.2013	10:25 Uhr	Fahrzeugdistanz :	NE	4.0 Km/Std

			Kilo	Kilometer		Zeit	
Uhrzeit	Std.	Straße	Fahrzeug	Kehr Intern 645	Ohne Gerät	Kehr Intern 645	Km/Std
9:24	0:01	Effingerstrasse	0.203	0.000	0:01:08	0:00:00	10.7
9:25	0:00	Schlösslistrasse	0.247	0.000	0:00:24	0:00:00	37.1
9:26	0:00	Jennerweg	0.066	0.000	0:00:06	0:00:00	39.6
9:26	0:00	Freiburgstrasse	0.096	0.000	0:00:10	0:00:00	34.6
9:26	0:00	Effingerstrasse	0.082	0.000	0:00:14	0:00:00	21.1
9:26	0:00	Nebenstrasse	0.127	0.000	0:00:22	0:00:00	20.8
9:27	0:00	Freiburgstrasse	0.047	0.000	0:00:08	0:00:00	21.2
9:27	0:00	Friedbühlstrasse	0.112	0.000	0:00:20	0:00:00	20.2
9:27	0:06	Wevermannsstrasse	0.385	0.112	0:01:35	0:04:37	3.7
9:33	0:03	Bahnstrasse	0.140	0.140	0:00:00	0:03:46	2.2
9:37	0:45	Wevermannsstrasse	2.112	1.542	0:15:50	0:29:56	2.8
10:23	0:01	Friedbühlstrasse	0.342	0.000	0:01:47	0:00:00	11.5









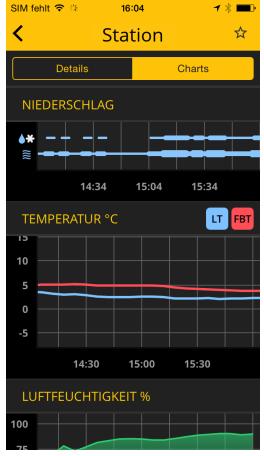


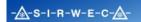






07:46

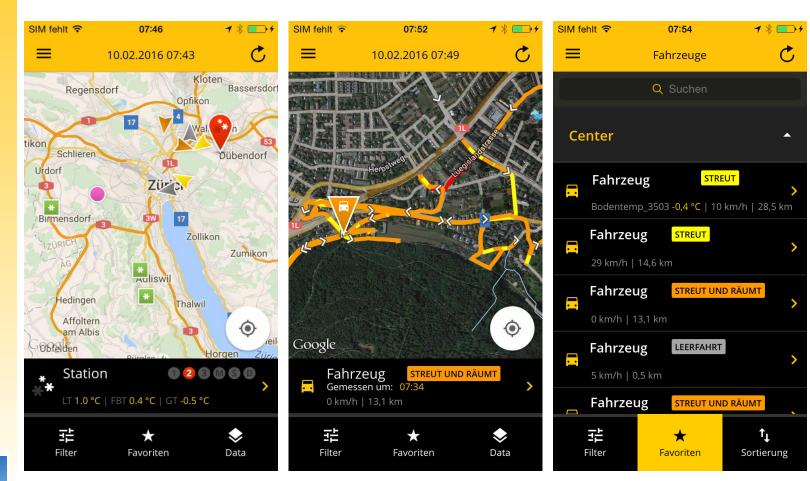


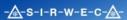








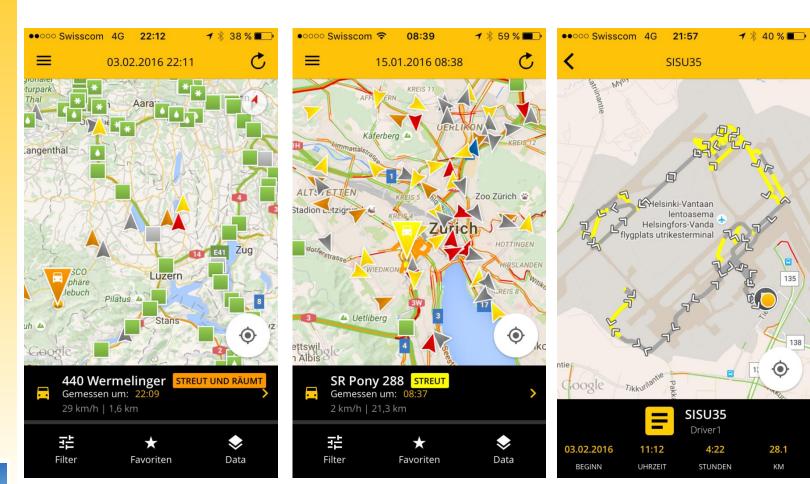


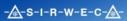








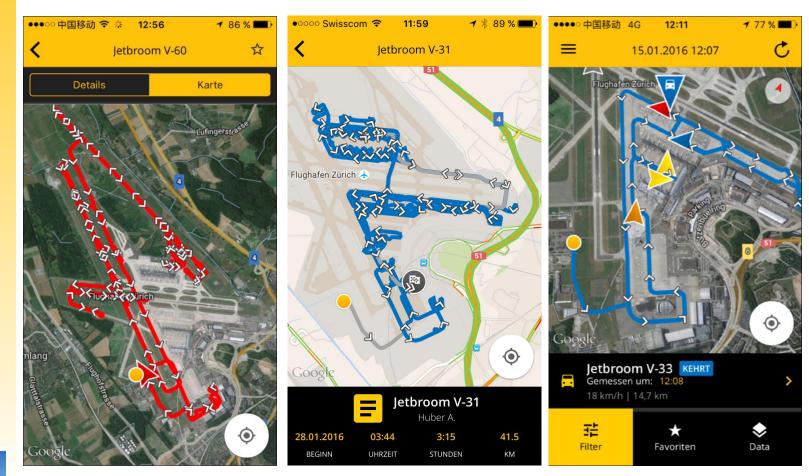


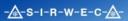


















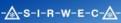
Benefit:

Perfect overview of weather conditions and operation status of the service vehicles (i.e. winter service operation) in a quick and easy way wherever you are!

Possibility to manage operations dynamically.













But the RWIS –App will show it!

Thank you for your attention!





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