DATA FROM SKY
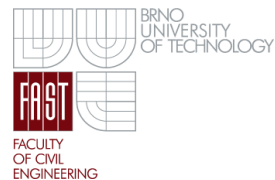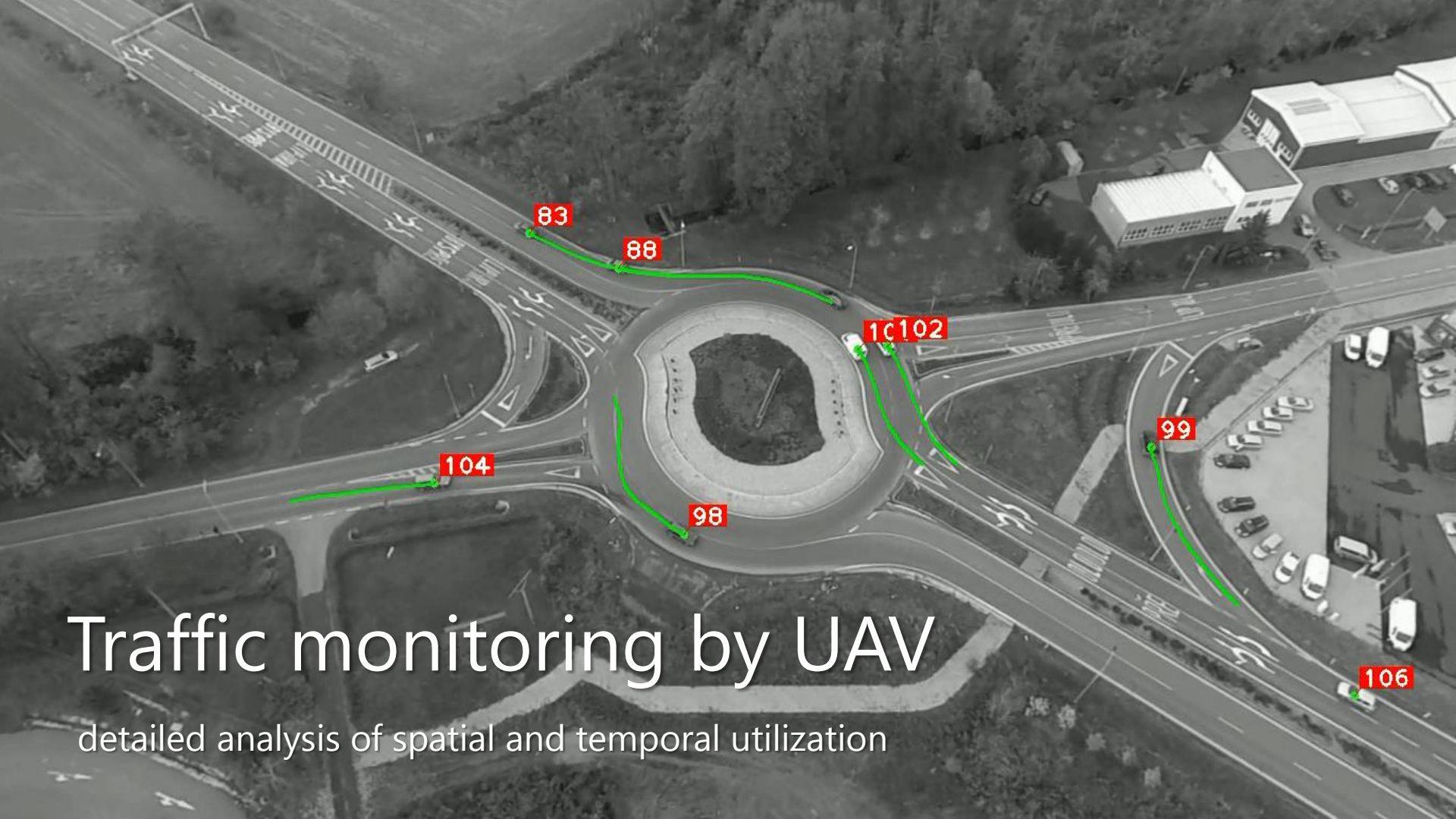
David Herman
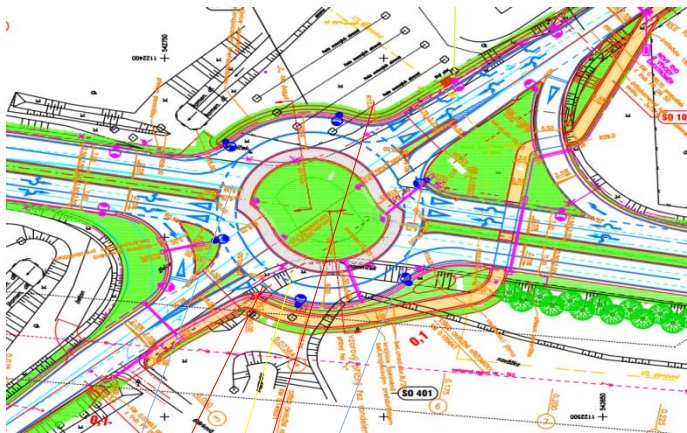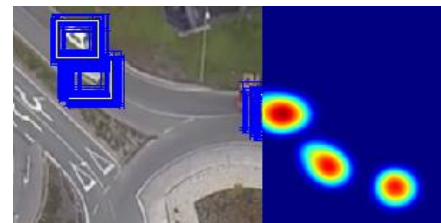
Traffic monitoring by UAV
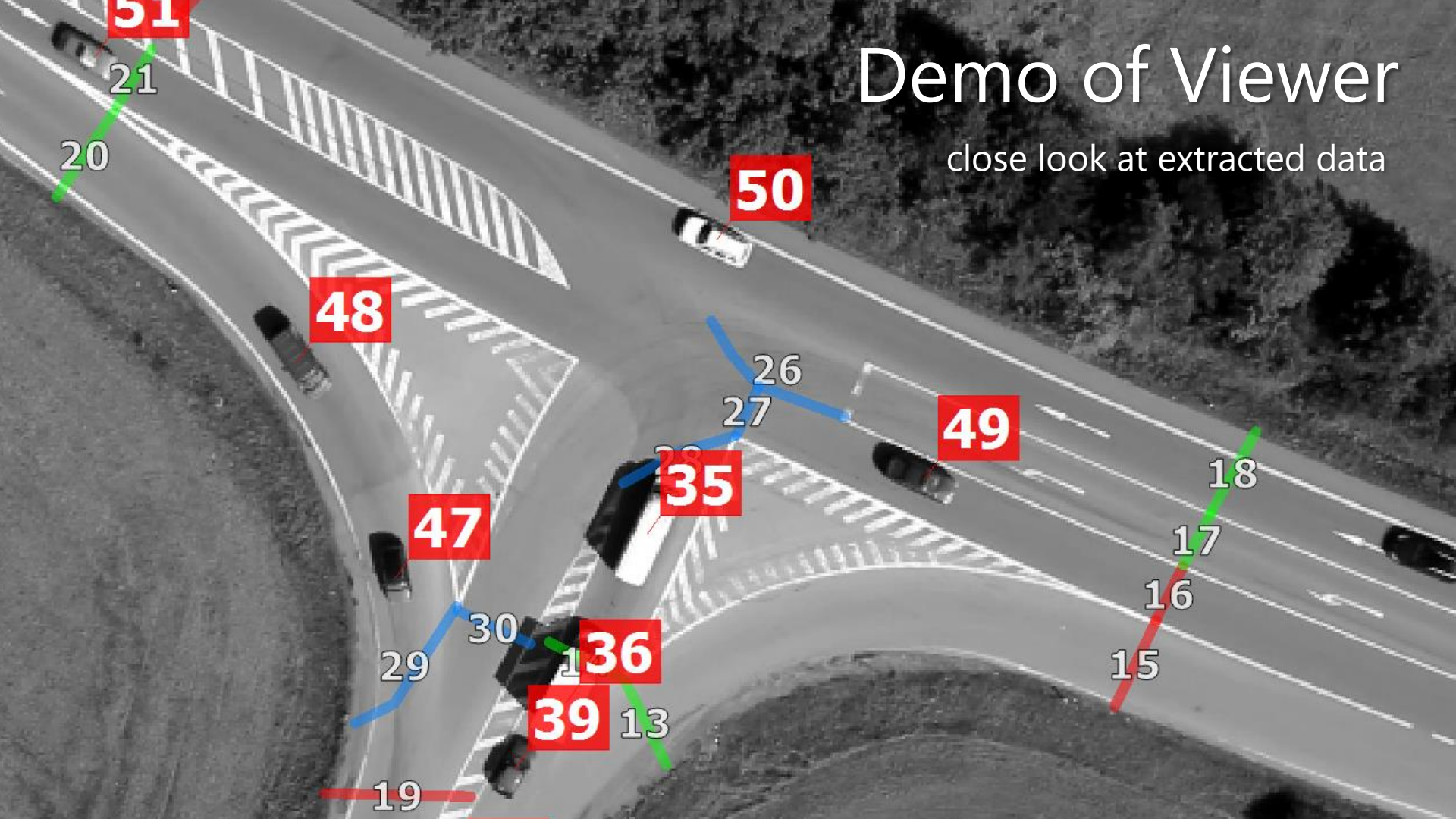
detailed analysis of spatial and temporal utilization
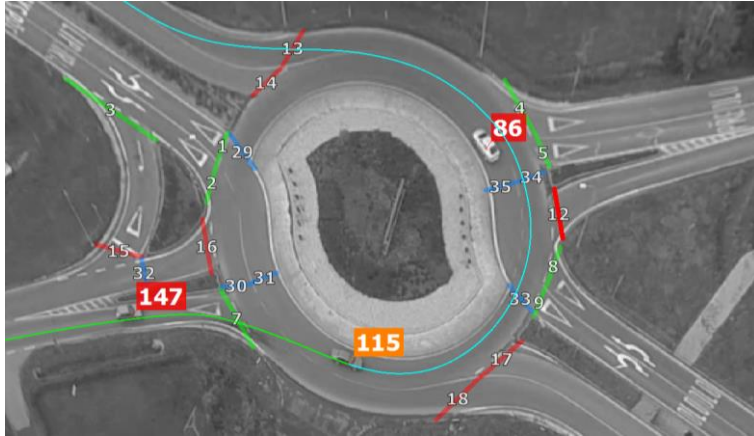
Preprocessing

Detection

Tracking

Demo of Viewer

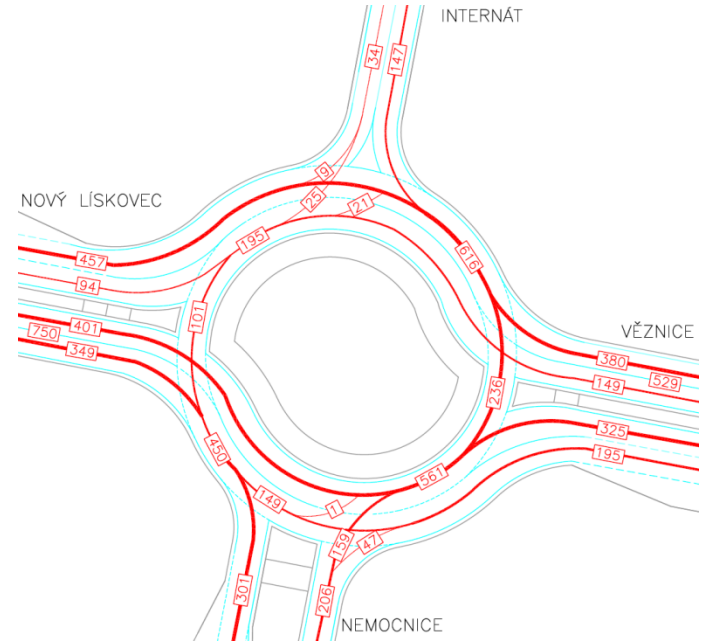close look at extracted data

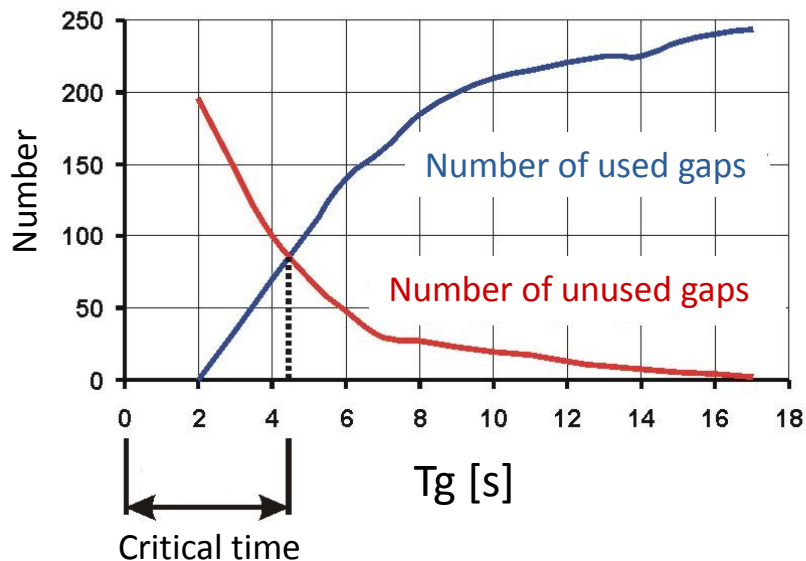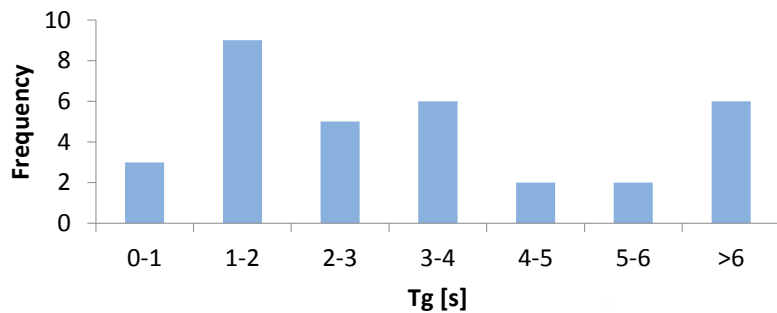| Entry Gate / Exit gate	2	3	4	7	8	9	10	Total
11							1	1
13			2	2	6			10
14					2			2
15		1						1
17	1							1
18				7				7
Total	1	1	2	9	6	2	1	22

Origin/Destination Matrix

Histogram

Frequency vs Tg [s]

Number of used gaps

Number of unused gaps

Number vs Tg [s]

Critical time

TimeGap & TimeFollow

$l_{DO} = v_2 \cdot t_{CO}$

Tg

Tf

l_f

l_1

H_2 v_2

V_1 H_1

V_2

PROFIL

P2

P4

V_3

V_4
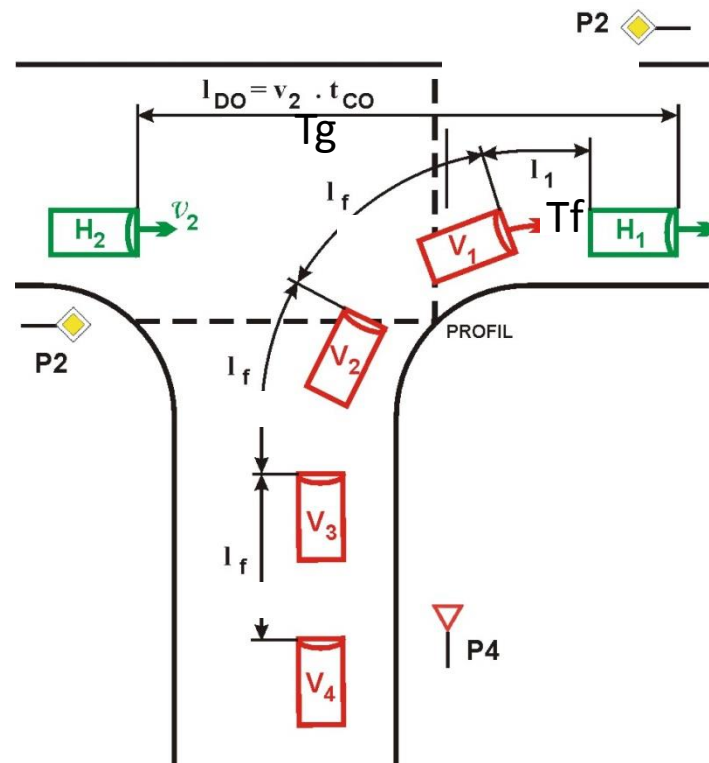
Lateral and Tangential Acceleration

Arc design.

OBLOUK 10 R=14,5m
OBLOUK 11 R=12,0m
OBLOUK 7 R=15,5m
OBLOUK 12 R=20,0m
OBLOUK 8 R=17,0m

R17,0
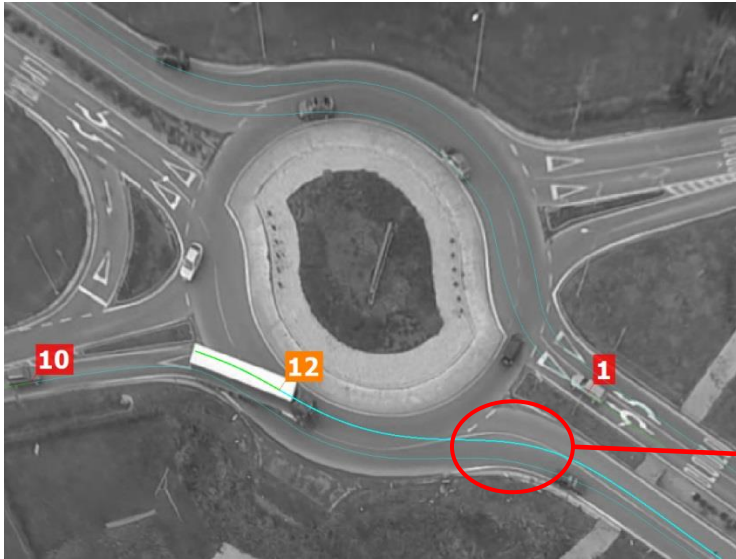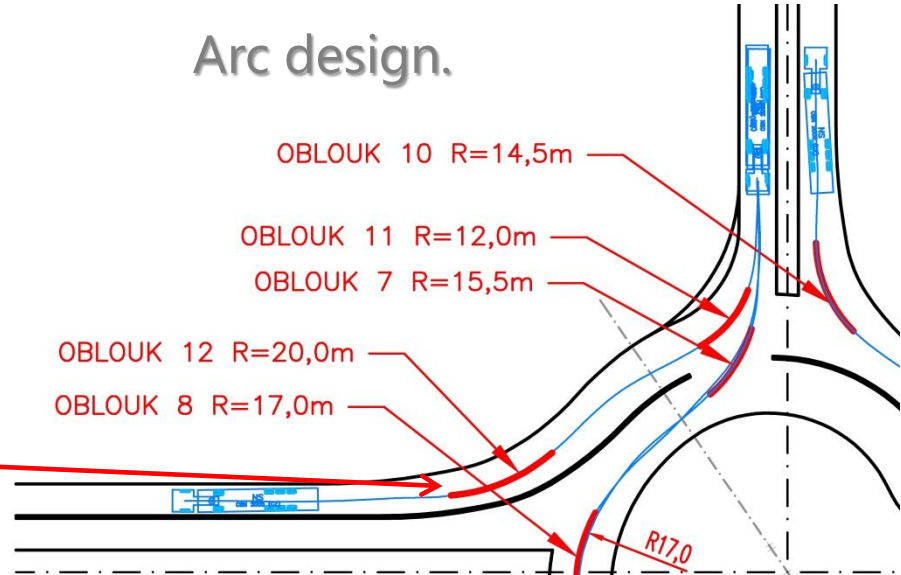
DATA FROM SKY

Thank you for your attention!

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david.herman@rcesystems.cz