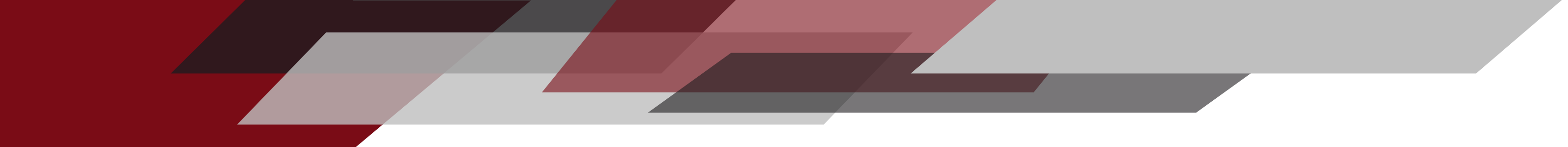




IMPLEMENTATION OF ROADSIDE ITS





IMPLEMENTATION OF ROADSIDE ITS

371 x smartmicro UMRR-0C Type 42

On 8 different corridors in Doha, Qatar

- 6 expressway
- 2 local roads

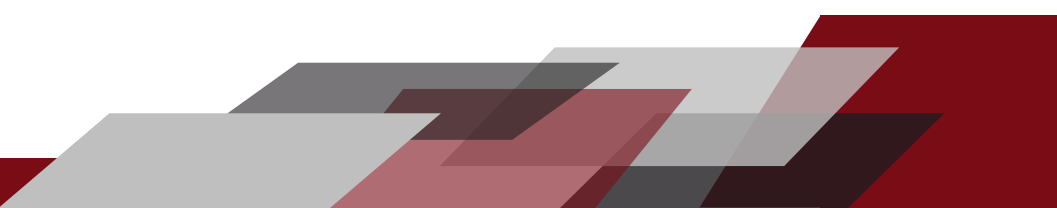
Deployed for

- Counting
- Speed
- Volumes
- Vehicle presence
- Occupancy
- Gaps
- Incident occurrence

Total project duration: 820 days

KTC, distributor of smartmicro, is responsible ITS contractor for this project

Contact: Ivan Ghazzal | email: ivan.ghazzal@ktc-qatar.com



CORRIDORS WITH DEPLOYED ITS EQUIPMENT



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1st Location: Salwa Road

Recording	Duration of the recording	Manual total Counting	Radar total Counting	Accuracy
Recording1_07.dr2	16 min	1670	1637	98,02%
Recording1_05.dr2	15 min	1130	1119	99,02%

2nd Location: Alwaab Road

Recording	Duration of the recording	Manual total counting	Radar total counting	Accuracy
Recording2_02.dr2	15 min	529	524	99,05%

NTCIP data architecture

UMRR-0C Type 42

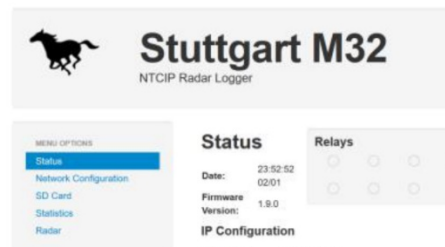


— CAN 2.0

Stuttgart M32



WEB



Zone	Class	AvgSpeed	Volume	Occupancy
1	UNDEFINED	0	0	0
1	PEDESTRIAN	0	0	0
1	BIKE	0	0	0
1	MOTOR BIKE	0	0	0
1	CAR	77	14	15
1	LONG TRUCK	69	5	8
1	VAN	67	1	3
1	SHORT TRUCK	62	0	1
2	UNDEFINED	0	0	0
2	PEDESTRIAN	0	0	0
2	BIKE	0	0	0
2	MOTOR BIKE	0	0	0
2	CAR	83	18	19
2	LONG TRUCK	0	1	0
2	VAN	73	3	4
2	SHORT TRUCK	71	2	4
3	UNDEFINED	0	0	0
3	PEDESTRIAN	0	0	0
3	BIKE	0	0	0
3	MOTOR BIKE	0	0	0
3	CAR	90	16	15
3	LONG TRUCK	0	0	0
3	VAN	80	2	2
3	SHORT TRUCK	0	0	0
4	UNDEFINED	0	0	0
4	PEDESTRIAN	0	0	0
4	BIKE	0	0	0
4	MOTOR BIKE	0	0	0
4	CAR	100	10	9
4	LONG TRUCK	0	0	0
4	VAN	97	2	1
4	SHORT TRUCK	0	0	0

LCD



uSD

