



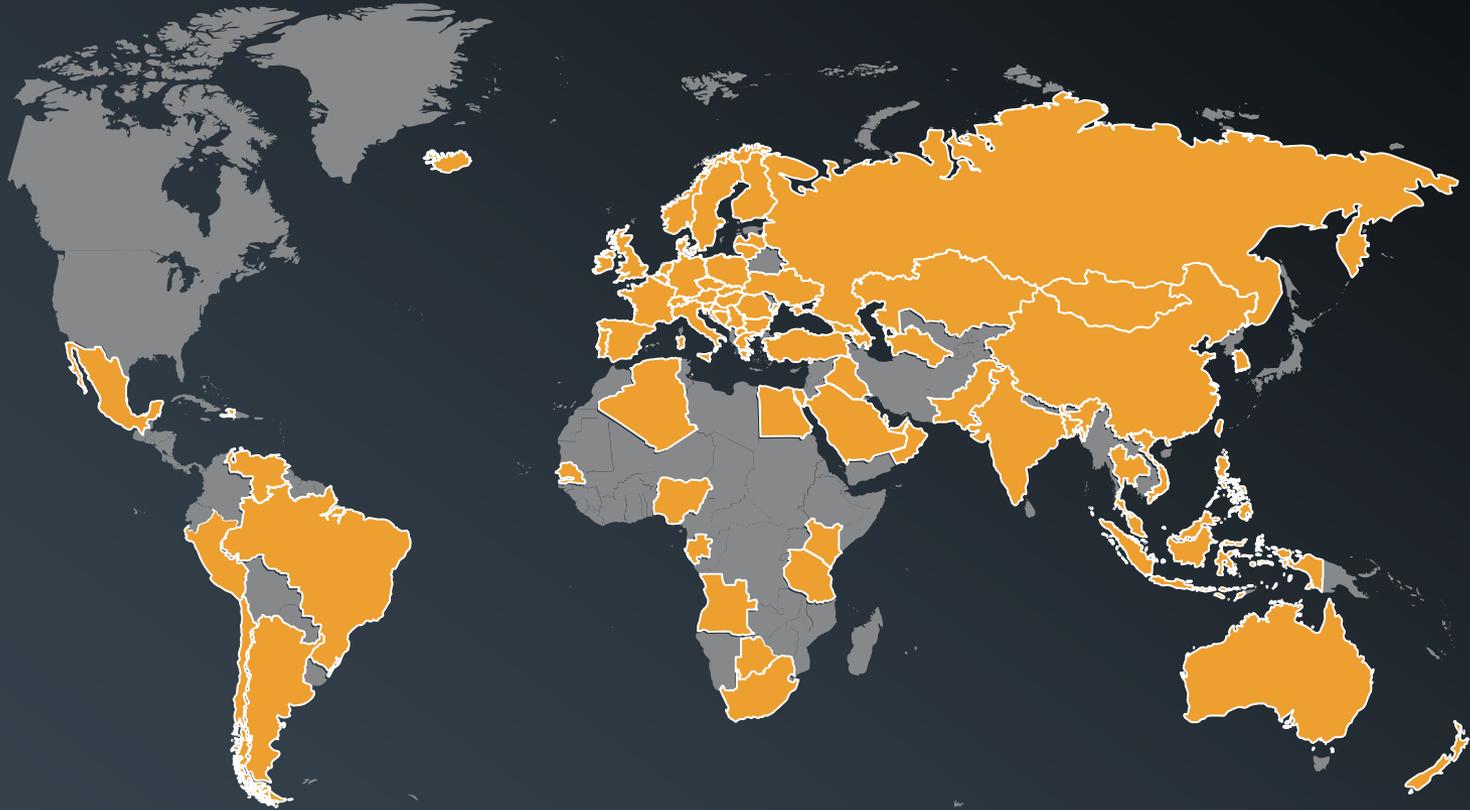
TETRA Applications & Innovations

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Motorola Ltd**

TETRA Applications
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London

Motorola in TETRA – A Proven Success



- Over 450 customers
- In over 85 countries
- Over 1,000,000 terminals sold



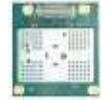
Terminals, Features and Applications

A look at TETRA Data

A visit to MotoCity

Motorola's TETRA Portfolio



	Portable	Portable <i>Commercial</i>	Mobile <i>Standard</i>	Mobile <i>Specialist</i>	Covert	ATEX	Gateway & Repeater	Fleet Management	Data <i>PDA</i>	Data <i>Modem</i>
Terminal Q2 2005	 <p>MTH800 & MTH650</p>	NA	 <p>MTM700</p>		NA	NA	NA	NA	NA	NA
Motorola Portfolio September 2009	 <p>MTP850 S&FuG MTH800</p>	 <p>CEP400</p>	 <p>MTM800E</p>	 <p>Dual Ctrl Head "Motorcycle"</p>	 <p>TCR1000</p>	 <p>MTH850EX MTP810EX</p>	 <p>CM5000</p>	 <p>ITM</p>	 <p>MTC100</p>	 <p>TOM100</p>

Motorola's TETRA Portfolio



Motorola Portfolio
September 2009

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Platform Commonality

High Performance
Comprehensive,
Proven Feature Set

Ease of Use
Common User
Interface Intuitive
operation

Build To Last
Testing for real life
Operation is crucial

Open APIs
As part of our
Application Partner
Program

Tailored Solutions
Motorola + best in
class vendors

Additional AT Commands



Feature Description

The list of AT commands has been further expanded

Operational Use

AT commands are typically used to control a radio from other devices

Operational Benefits

For example the integration of a radio into a vehicles display or controls. In effect it allows a virtual control head concept. Where a MDT (Mobile Data such as a rugged data terminal, laptop, or PC) can control the radio

Call Out Feature



Solution

- Fire fighters allocated with TETRA radio
- Control room 'calls out' required fire fighters
- Fire fighters respond to say if they can come or not
- Additional fire fighters can then be alerted as required

Benefits

- Aids rapid and efficient firefighter turnout
- Avoids unnecessary alerting reducing costs and aiding in retention of retained firefighters

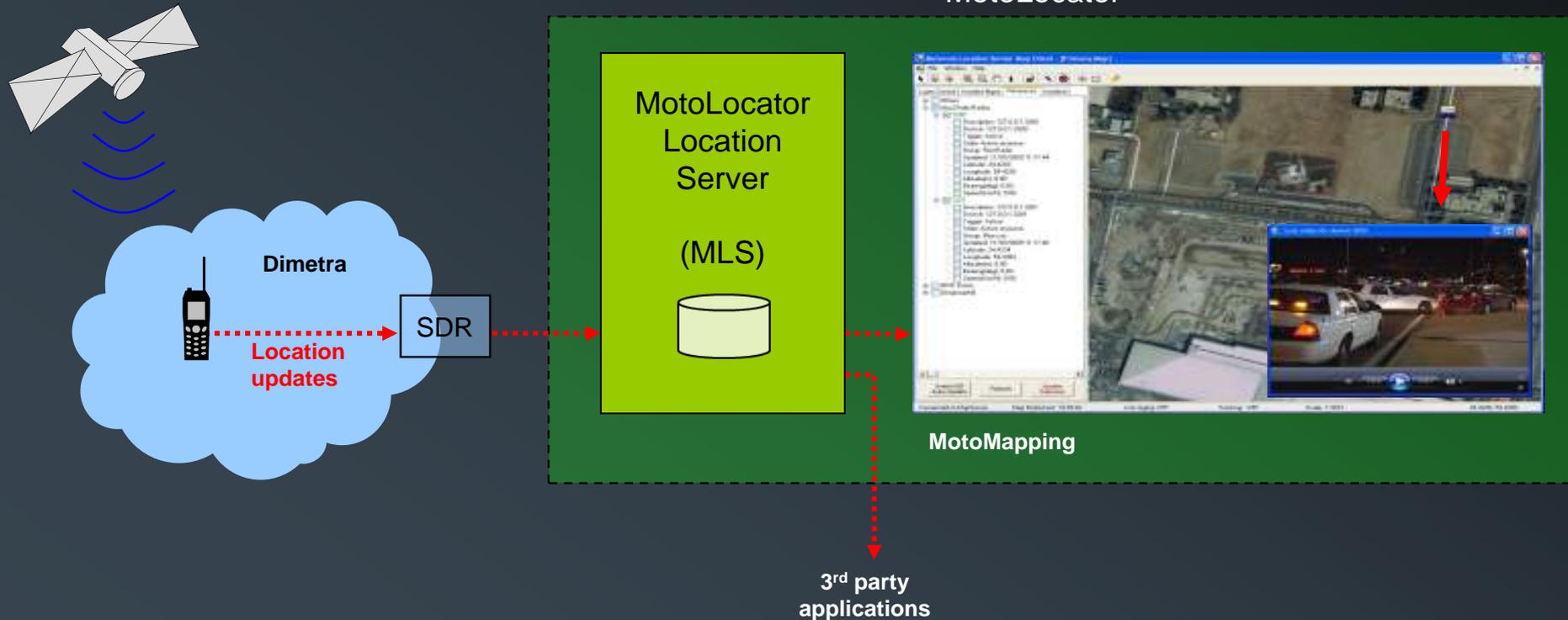
Other Call Out Uses

- Major incident alerting and management
- Missing person alerts
- Shift teams working in a Callout event
- Storm Plan – non-acknowledged Callout for large fleets
- System testing – use to check radio operation

Example Application: MotoLocator



- Integrates into Dimetra (but also works with other networks)
- Is built using MotoLocator technology
- Uses MotoMapping to give a geographical view of where your radios are
- Can link to 3rd party mapping applications





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TETRA Data Capabilities



TEDS	Increased data throughput	<i>Enhanced</i>
Packet Data Prioritization	High priority applications are guaranteed access	
Multi-slot Packet Data Channels	Up to 4 times faster	
Dynamic Packet Data Channel Allocation	Flexible resource allocation	
Static Packet Data Channel Allocation	Guaranteed grade of service	
Shared Packet Data Channel	Greater efficiency / Greater data throughput	<i>Advanced</i>
IP Packet Data	Reliable communication / Resource efficient	<i>Standard</i>
Short Data	Simultaneous Voice Data Communication	
Status Messaging	Fast pre / defined messages	

Motorola's TEDS Solution

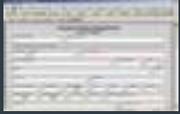
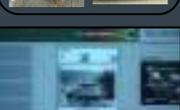


Resilient
Secure
Mission Critical
Spectrally Efficient
Easy Deployment
Integrated Devices



TETRA Data Evolution to Meet Market Needs



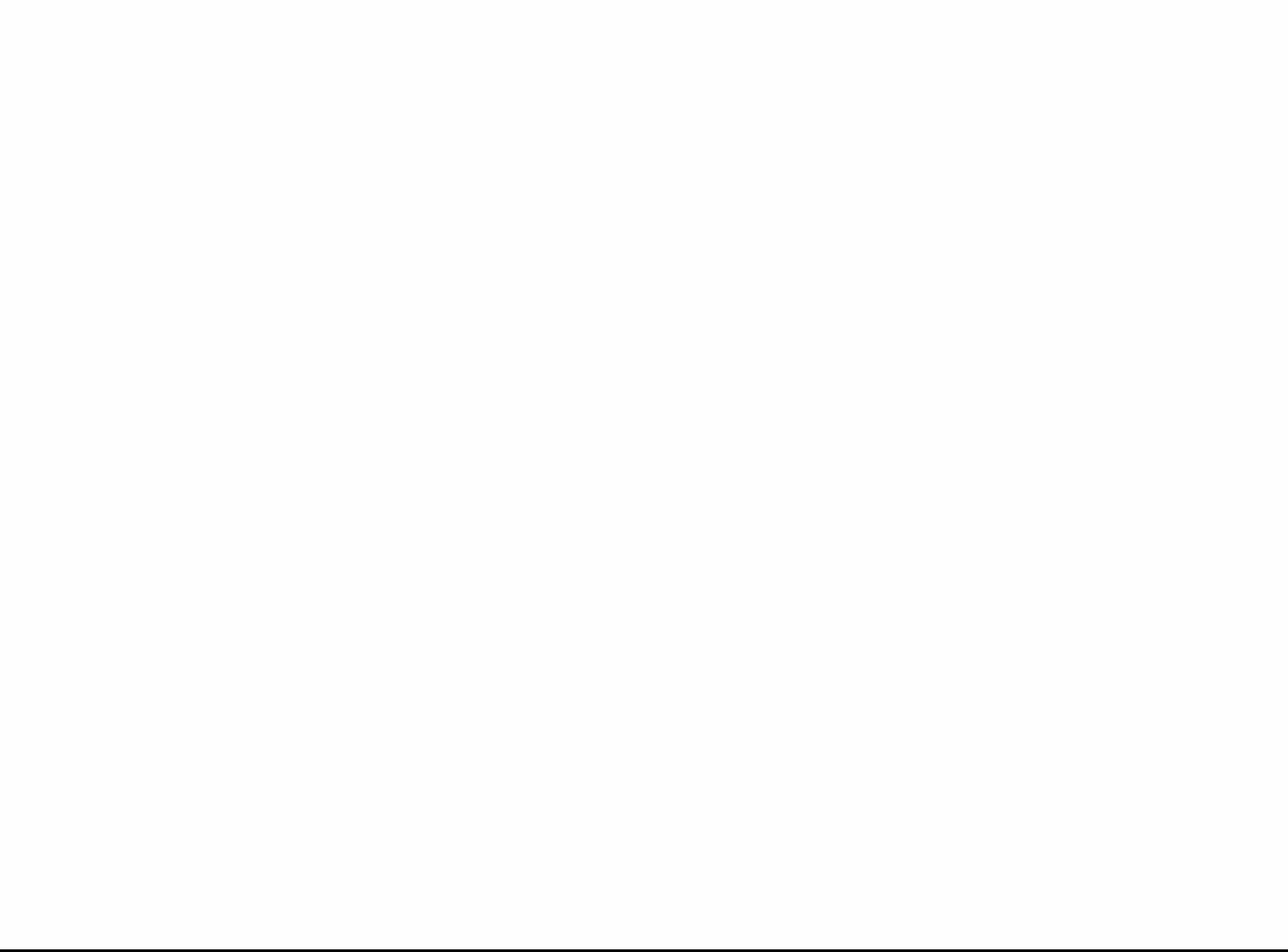
	TETRA 1 Circuit data	TETRA 1 SDS	TETRA 1 Single slot PD	TETRA 1 Multislot PD	TEDS High Speed Data
 Database search		★	★	★	★
 AVL		★	★	★	★
 Email			★	★	★
 File transfer			★	★	★
 Slow scan video				★	★
 Streaming video					★
	 Not suitable	 Possible	 Appropriate		

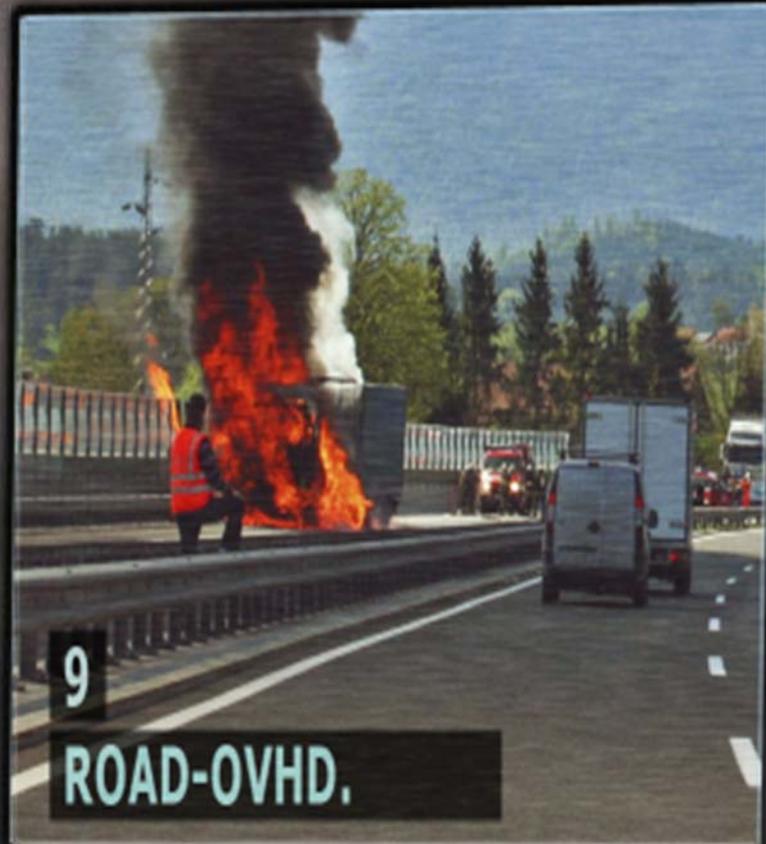
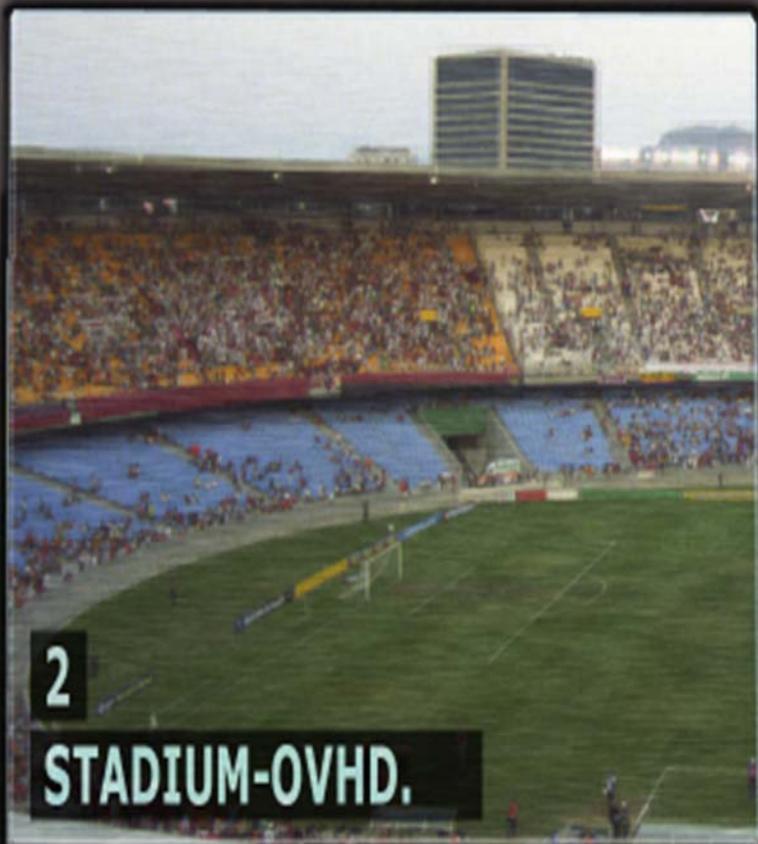


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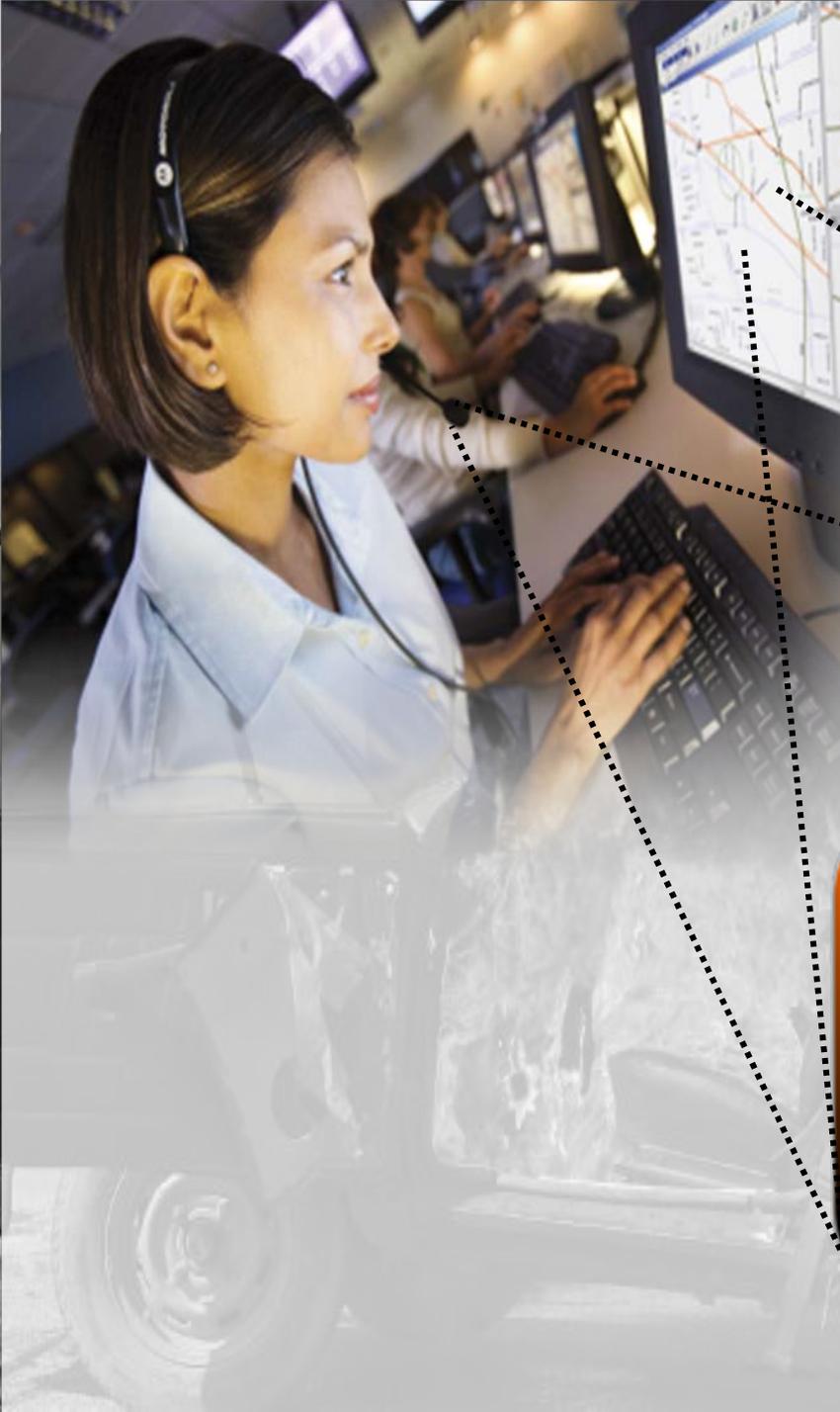
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Full time





Part time









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STADIUM-OVHD.





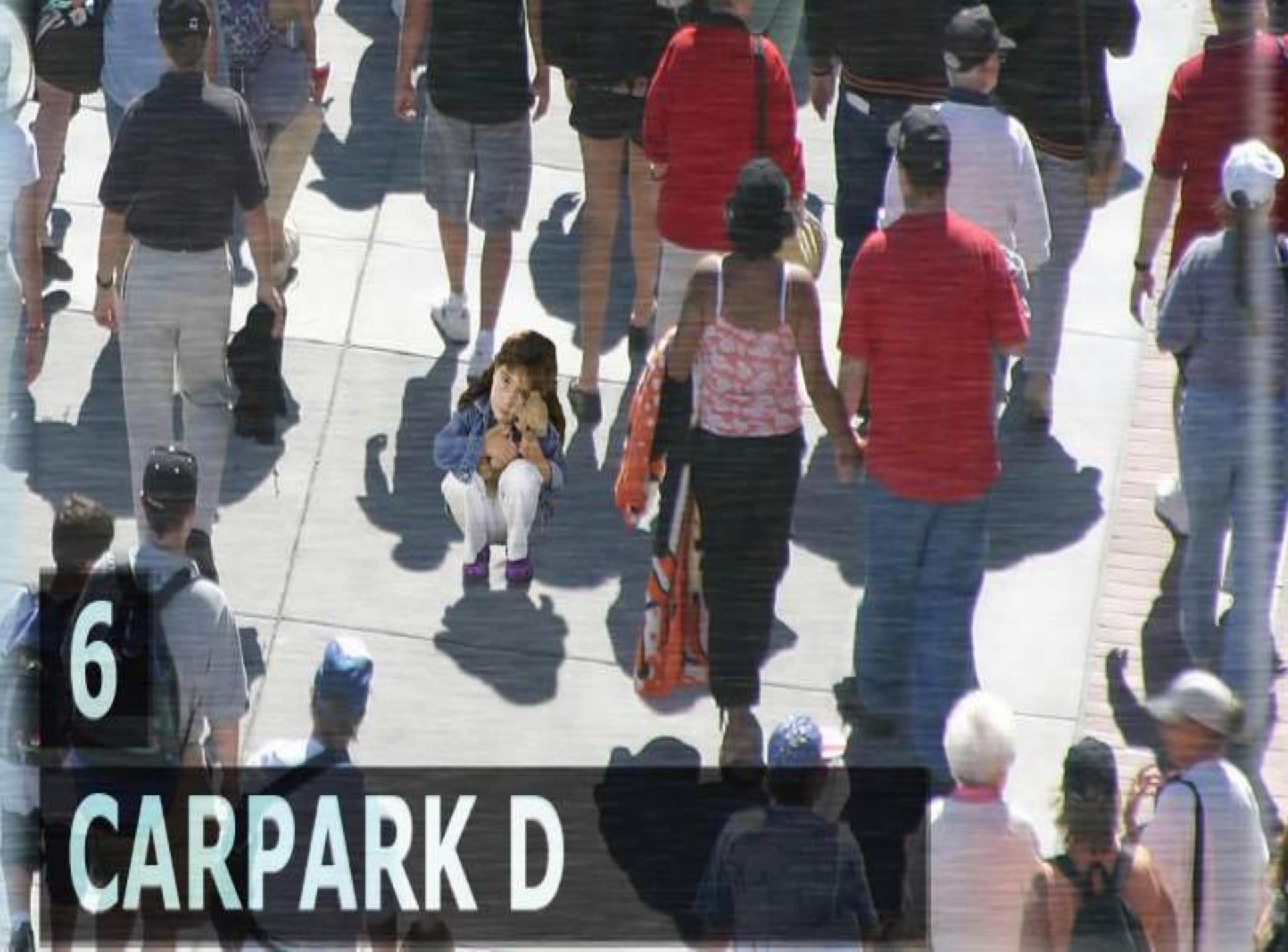






6

CARPARK D



6

CARPARK D



CARPARK D





MOTOROLA









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