



ICC
Indian Chemical Council



Responsible Care[®]
OUR COMMITMENT TO SUSTAINABILITY



ICC's New Initiative on transportation safety



Transport Distribution Safety, Emergency Response & Transport Security

towards a nicer
globe through
responsible
community



a community initiative



our challenges...

- ✓ ER Planning Tools?
- ✓ Vehicle Location?
- ✓ Alerts to Org ER?
- ✓ Online MSDS?
- ✓ Vicinity Industries?
- ✓ Contact directories?
- ✓ SOS Alerts?
- ✓ Level 1 Support ?
- ✓ Chemical Experts?
- ✓ Fire fighters?
- ✓ Fire brigade?
- ✓ Police?
- ✓ PPE?
- ✓ Crane?
- ✓ DMA's?
- ✓ Hospitals?
- ✓ Ambulances?
- ✓ Antidotes available?

Accident

Response



Before Trip

- Responsible?**
- ✓ Transporter
 - ✓ Driver
 - ✓ Co-Driver

- Suitable & fit?**
- ✓ Vehicle
 - ✓ container

Trip Start

- ✓ Driver awareness?
- ✓ Security checks?
- ✓ MSDS?
- ✓ TREM Card?
- ✓ Driver license?
- ✓ Vehicle Permits?
- ✓ Insurances?
- ✓ Safety measures?

During Trip

- ✓ Attentive Driver?
- ✓ Alert co-driver?
- ✓ Integrity of crew?
- ✓ Knowledge of water bodies, habitation, accident zones, etc. en-route?
- ✓ Driving after hours?
- ✓ Over speeding?

Near Miss

- ✓ Records of near misses?
- ✓ Evaluation of driver's competencies?
- ✓ Learning for other crew?
- ✓ Measures to avoid accident?

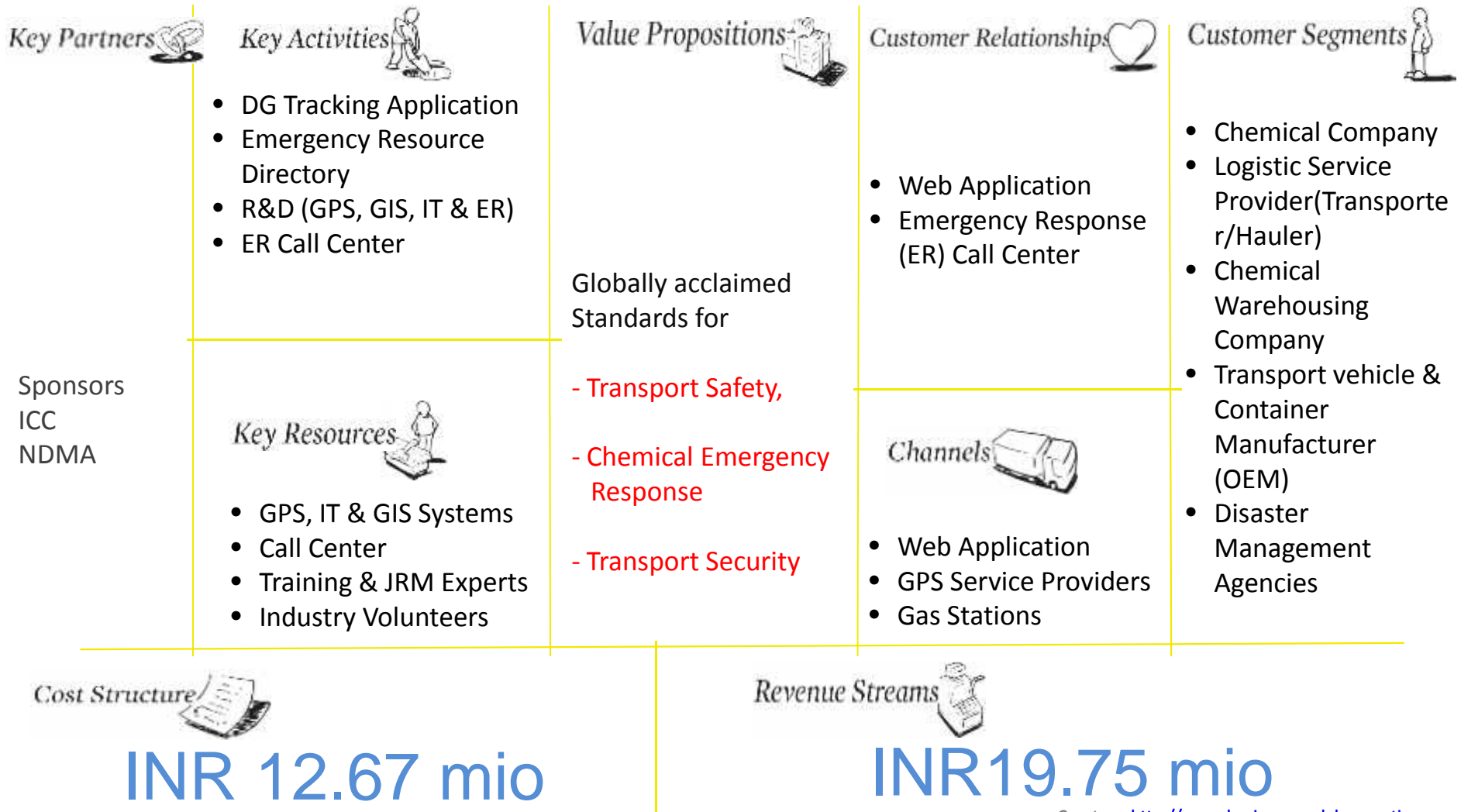
Lesson Learnt

- ✓ Root cause analysis?
- ✓ Good and bad experience sharing?
- ✓ Improvement measures?



community ER: 3 yr business model

a community initiative





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mentors, sponsors & partners

Support & Guidance



Confirmed Sponsors



Technology Partner





tachograph and much more...

a community initiative



Generation 1



Generation 2



+

Sponsors & Industry

+

Private Partnerships

(driver training, journey risk management, level 2&3 responders)

+

TECHNOPURPLE



Today



Generation 3



why a community approach...

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- ✓ **Private Services:** Limited availability & high costs of private ER services providers
- ✓ **2 Hours v/s 40 Km/Hr :** Acceptable response time v/s speed of hazmat truck.
- ✓ **Share to care:** Resources & expertise increase exponentially by sharing
- ✓ **Regulations:** Companies to have strong onsite emergency response equipment and expertise.
- ✓ **TUIS & MARG:** Community ER response systems successful globally and in industrial clusters
- ✓ **HAMARE MARG:** Need for an industry ER platform identified strongly
- ✓ **INR 6 Mio each site:** Estimated cost for complete offsite ER equipment. Create, share & monetize approach
- ✓ **24 X 7 ER Call Center:** Improves response as quicker to locate expertise & resources.



vision & mission...

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Vision

Enable chemical industry with globally acclaimed standards, infrastructure and services for safe and secure transportation

Mission

Indian Chemical Council under its initiative 'Nicer Globe' is dedicated to

- establish standards for transport safety & emergency response
- foster mutual cooperation and collaboration within industry
- enable emergency response infrastructure and services
- routinely evaluate and improve transport safety capabilities
- enhance community's admiration for the chemical industry



to do list...

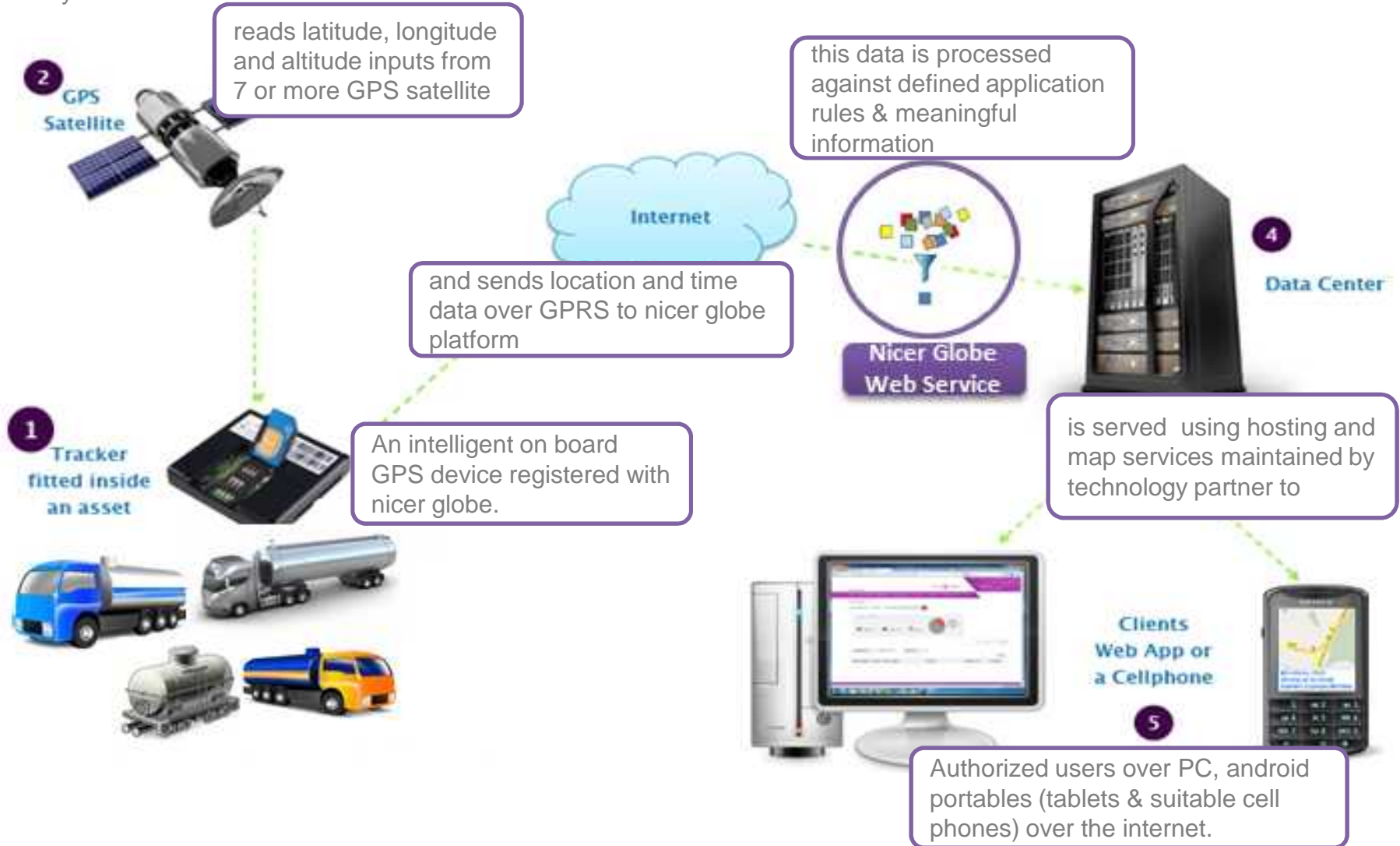
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- Work to understand the needs and requirements of industry for emergency response
- Develop common platform to enable & facilitate collaboration, cooperation, participation
- Build capacity for intelligent cargo tracking, proficient drivers, safe & secure vehicle and storage, emergency response equipment and trained emergency responders
- Establish an industry wide emergency response call center
- Undertake journey risk management along major routes of transportation
- Continually improve quality of services through professional management and evaluations



tracking solution explained...

a community initiative





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where are we...

Created By 

LOGIN	<input type="text" value="client"/>
PASSWORD	<input type="text" value="client123"/>
<input type="button" value="Login"/>	

<http://www.nicerglobe.org>

Other domains booked

- nicerglobe.com
- nicerglobe.in
- nicerglobe.net
- nicerglobe.info
- nicerglobe.co



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www.nicerglobe.org

PROTOTYPE



REGISTER

Register with Nicer Globe as a Company, Emergency Response Expert, Supply Chain Manager, Logistic Services provider, Disaster Management Agency / Expert to participate.

ENROLL

Enroll Level 2 & 3 experts, Map ER resources and expertise of your company such as SCBAs, Chemical Suits, PPE and others and the nearby cranes, hospitals, ambulances, etc

TAKE CONTROL

Track DG cargo trips with intelligent and customized alerts for over speeding, night driving, unscheduled halts, route deviation, near misses, unsafe driver, and on accident.

BENEFIT

Mutual aid for chemical emergency response, safer and secure chemical transport by responsible service providers & drivers through coordinated efforts and research.

Sponsor Partner



Technology Partner



dashboard

a community initiative

Search

TRIP SUMMARY



8

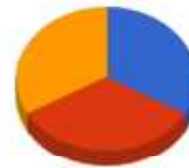
On Trips



10

Not on Trips

Vehicle Status



■ Engine ON
■ Engine OFF
■ Inactive

Alerts

- ↳ Overspeeding 2
- ↳ Near Miss 0
- ↳ Night Driving 4

On Trips

Engine On

Engine Off

Inactive

Trip	Vehicle No	MSDS	Trem Card	Location	Last Updated	Speed (kmph)	Driver
Guj-Mum	TN-28-AE-8244			SH 165, Palasana	07-12-2012, 11:20 a.m	30	name
AHMD-INDORE	CJ-06-XY-6001			Pithampur , Indore	07-12-2012, 11:20 a.m	30	name
VIZAG-MUM	NL-01-D-4649			Krishna canal , Vijaywada	07-12-2012, 11:20 a.m	30	name
SURAT-NAGPUR	HR-38-L-5411			Surat-Hazira bypass, Malkhapur	07-12-2012, 11:20 a.m	30	name



track DG fleet on map

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AUTO REFRESH MAP | SATELLITE |

Map Satellite

Search

Vehicle No

On Trips

- Engine On
- Engine Off

Not on Trips

- Engine On
- Engine Off

Driving Stopped Inactive

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add & share ER resources on map...

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MY PLACES



View Places | Add My Place | Add Resources

Fire Services | Police | Hospital | Crane Service

Search:

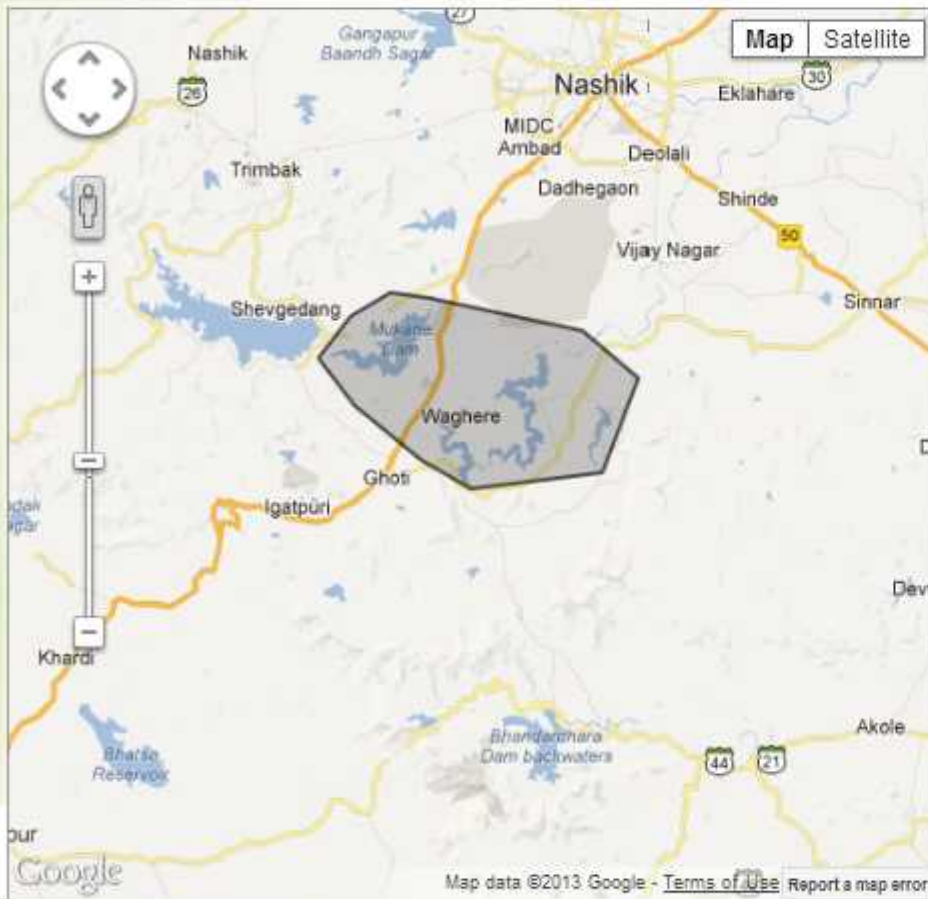
My Places	Type	Verified	Action
S.S. Crane Service	Crane Services	✗	👁️ ✎️ ✕️
Sterling Wockhart Hospital	Hospital	✓	👁️ ✎️ ✕️
Kharagpur Fire Station	Fire Services	✓	👁️ ✎️ ✕️
Balur Police Station	Police	✓	👁️ ✎️ ✕️



special areas, using geo-fences...

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GEO FENCE



View Geofences Add Geo Fence

Water body Dense Population Parking Bay

Geo Fences	Type	Verified	Action
Ghansoli DAKC lake	Water body	✗	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Hazira Bypass Town	Dense population	✓	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Wadhiware Reservoir	Water body	✗	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Alamgir Truck Terminal	Parking Bay	✓	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>



live tracking at control center

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LEGEND MYPLACES - ADD | SHOW GEOFENCE - ADD | SHOW AUTO-REFRESH MAP | SATELLITE |

Map Satellite

SEARCH

Vehicle No

Replay

From : Date-Time 00 00

To Date-Time 00 00

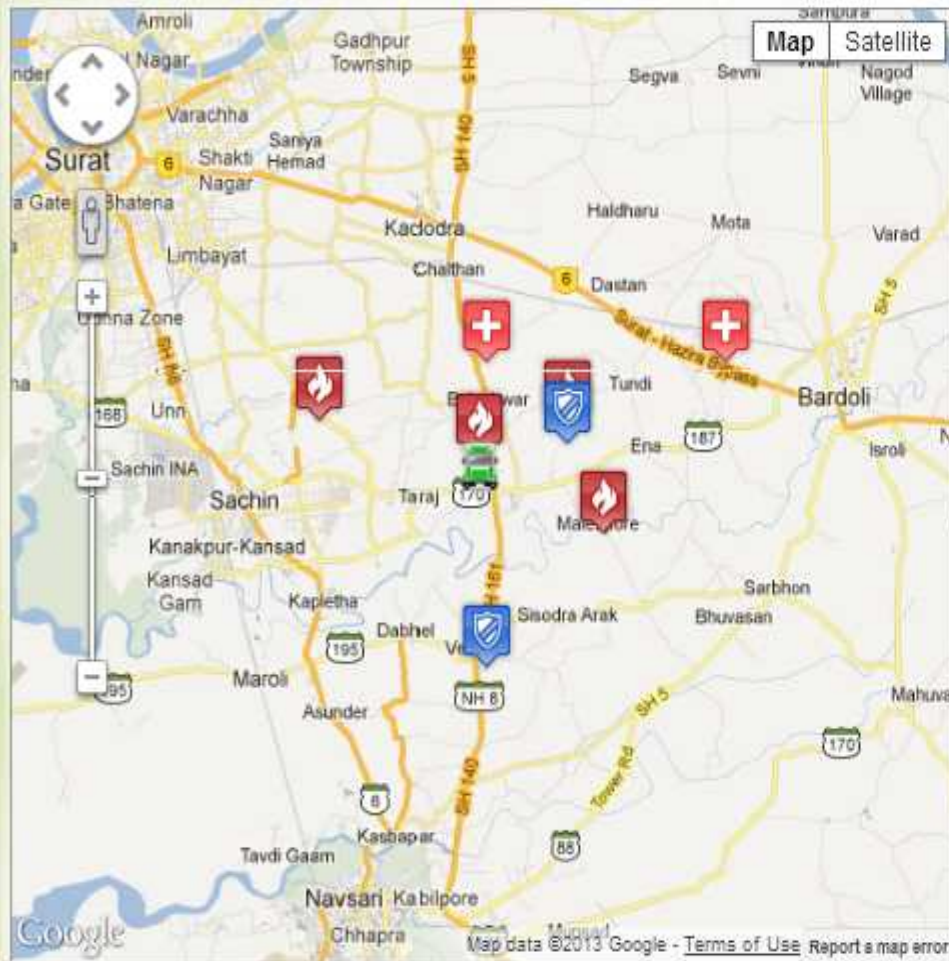
TN-28-AE-8244 Speed 24 kmph Status Inactive Last Update 2012-06-22 18:05:27 Mileage 593
Location At Ring Rd, Begampura, Surat, Gujarat, India

TECHN PURPLE



Level 1: emergency dashboard

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Level 1 - Documents

Level 2 - Resources

Level 3 - Experts

MSDS CTC

BASF
The Chemical Company

Safety data sheet

BASF India Ltd Safety data sheet
Date / Revised: 04.07.2007
Product: ISOCYANATE B1013

(30)



Level 2 & 3: emergency dashboard

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The dashboard interface includes a map on the left and a data panel on the right. The map shows various locations in Surat, India, with fire station icons (red squares with a white cross) and police station icons (blue squares with a white shield). The data panel on the right has tabs for 'Level 1 - Documents', 'Level 2 - Resources', and 'Level 3 - Experts'. The 'Level 2 - Resources' tab is active, showing a 'FIRE STATION' section with a 'Show/Hide' checkbox checked. Below this is a search bar with a dropdown menu set to 'All' and a search icon. A table lists four fire stations with their names, contact persons, contact numbers, and ratings. A 'COMPARE' button is located below the table. Below the table are sections for 'POLICE STATION' and 'AMBULANCE', each with a 'Show/Hide' checkbox checked. The 'TECHNOPURPLE' logo is in the bottom right corner.

Level 1 - Documents | **Level 2 - Resources** | Level 3 - Experts

FIRE STATION Show/Hide

Search: All

	Name	Contact Person	Contact no.	Ratings
<input type="checkbox"/>	Fire Station 101	Raju	12345677 / 64783834	☆☆☆
<input type="checkbox"/>	Fire Station 102	Sanjay	56858658 / 54353534	☆☆☆☆
<input type="checkbox"/>	Fire Station 103	Prakash	86585585 / 34242422	☆☆☆☆☆
<input type="checkbox"/>	Fire Station 104	Arun	87876869 / 12343566	☆☆☆☆

COMPARE

POLICE STATION Show/Hide

AMBULANCE Show/Hide

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extendible & customized reports

a community initiative

Stoppage

Start Date Time: 17/12/2012 0 0
 End Date Time: 17/12/2012 3 3
 Month: December - 2012
 Search by: Vehicle No. TN-28-AE-8244
 Stoppage Time Greater Than: 0 0

[SHOW REPORT](#)

Summary

Prepared On: 17/12/2012 12:34 PM
 Date: 17/12/2012 00:00:00 To 17/12/2012 12:34:59
 Vehicle: TN-28-AE-8244

Vehicle No.	Brand	Model	Vehicle No.
TN 28 AE 8244	Mazuti Suzuki	A Star	TN 28 AE 8244

Date: 13/09/2011

Parked Time	Location	Stoppage Time	Preview on Map
00:11:30	At Vasant Garden	11:45:25	mcp
12:35:30	1.0 Kms NORTH-EAST of MulundThaneCheckNaka	00:01:50	mcp
12:44:34	Station Road Kopri, Kopri, Thane East, Thane, Maharashtra, India	01:30:52	map
15:03:36	1.0 Kms SOUTH of Mahape	02:00:05	map
17:12:28	1.0 Kms SOUTH-EAST of GhansoliStation	00:01:02	map

prototype awaits you...



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visit us at
www.nicerglobe.org