

CASE STUDY

iMAAP India - Road Accident Data Management System (RADMS)



Year: 2014

Location: Himachal Pradesh, India

**Client: Himachal Pradesh Road and other
Infrastructure Development Corporation
(HPRIDC)**

Summary

We designed, developed and implemented an innovative new data system to streamline and centralise the management of road traffic crash data for states in India. The system will make it easier to identify road safety problems and to introduce measures to reduce casualties on India's roads.



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The Challenge

Fifteen percent of global road accident fatalities happen in India. It is vital that steps are taken to improve road safety across the country, which has a high proportion of vulnerable road users, rapidly developing infrastructure and challenging terrain and weather conditions.

Any system developed needed to provide the authorities with good quality data that could be analysed to identify problems and to allocate investment in measures that would make the biggest impact to road safety.



Our Approach

We developed a customised version of our iMAAP software that was linked to a range of government and police IT systems. The police can record traffic collision and casualty data using iMAAP mobile software on tablet devices and the data can be transmitted into the core iMAAP system, available for immediate analysis.

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The analysis modules in the system enable engineers to identify commonalities in the accidents occurring at a site and to select the right countermeasure quickly. It's a powerful analytical tool that helps to identify trends and clusters:

It can prioritise competing schemes based on full economic appraisal and also perform statistically valid before and after evaluation of implemented solutions.

The Results

The new Road Accident Data Management System (RADMS) was officially launched in 2015. It's an ongoing World Bank supported project that we're jointly leading with Indian software company Experion.

The project continues to develop local capacity to manage the system to support sustainable road safety improvement to make India's roads safer.



"iMAAP has gathered our stakeholders to work together as one department. When a policeman reaches a spot and opens the application, we will be notified, we will then gather and proceed the next step. We are in a position to identify black spots with this system and we are very much quicker to respond than before implementing this application, the thing that we used to do in 6 months, now we are doing it for 1 month or even in 15 days sometimes," Mr. Pawan Kumar Sharma, Superintendent Engineer, PWD

DATA:

- India accounts for approximately 15 percent of the global road accident fatalities.
- iMAAP video link: *link will be filled when the video is live*