ChinaRAP is a collaboration between iRAP and the Research Institute of Highway (RIOH), Ministry of Transport (MoT). Launched in 2008, seed financial support was provided through the World Bank Global Road Safety Facility by Bloomberg Philanthropies and now ten times that amount is now mobilised by the Chinese Government.

OBJECTIVE

Each year, about 60,000 road deaths occur in China. An early aim of the collaboration was to support the goal of achieving a China free of high risk roads through introducing system solutions (static and dynamic) to traffic safety management, design improvement, facilities application, traffic risk monitoring and intervention during the implementation of the central government’s Highway Safety Enhancement Project (HSEP). The first phase (2004-2013) of HSEP was perhaps the largest road infrastructure safety programme in the world, involving the investment of US$5 billion to treat 366,000km of roads. ChinaRAP is now at the centre of the scaled-up HSEP Phase II. Building on the success of the first phase, and as part of the 13th Five-Year national plan, the Phase II Highway Safety to Cherish Life programme aims to eliminate high risk sections of existing roads and ensure that no new hazardous sections are added during the design and construction stages of new projects.

ChinaRAP is a world-leader saving lives and serious injuries through 3-star or better road infrastructure improvements.

KEY ACHIEVEMENTS

With a team that has grown from 2 to 20 members as technical support, ChinaRAP has driven major policy, road upgrade and public health outcomes:

- 100,000km of high-risk roads upgraded
- 250,000km of existing roads star rated and 12,000km risk mapped
- Over 1,000km of designs star rated
- US$5+ billion invested in safety countermeasures
- The new 5-year road safety plan, developed by the Safety Production Committee of the State Council, calls for national implementation of road safety assessments, including identification and rapid treatment of high-risk road sections
- Over 3,000 engineers trained in safe road design
- 12 province impact with assistance given to conduct risk assessments
- 400+ road surveyors and attribute coders mobilised
- Production of national guidelines on the ChinaRAP risk assessment process and safety countermeasures for installation
- Participation in World Bank and Asian Development Bank projects to build project delivery experience and demonstrate the applicability of risk assessments
- Recipient of the 2016 prestigious iRAP 5-Star Performer Award
Engaging Internationally for Success

International engagement through project delivery and technical and knowledge exchange has been a critically important part of ChinaRAP’s development.

- The team contributed strongly to the innovative development of the iRAP Star Rating Demonstrator at the global level.
- It has provided project support in Cambodia, Australia, New Zealand and Yemen, as well as programme development support in Pakistan.
- To read more on ChinaRAP’s work leading road safety assessment programmes across Cambodia and Pakistan, see https://www.fiafoundation.org/blog/2018/march/chinarap-leads-road-safety-assessment-programmes-across-cambodia-and-pakistan

Timeline for Success

2008  
iRAP and MoT sign MOU

2009  
MoT participate in global iRAP events (2009-2017) and join the Global Technical Committee

2009  
Local pilot studies undertaken around Beijing

2010  
World Bank GRSF and Bloomberg Philanthropic support allows scaling up of pilot study activity across a number of provinces (2010-2016)

2012  
iRAP Regional Director for Asia Pacific based at MoT offices (2012-2016)

2014  
China State Council announce multi-billion dollar Highway Safety to Cherish Life initiative

2015-2017  
Provide technical assistance to Ministry of Transport that 150,000kms of roads assessed; 105,000 kms upgraded and US$2.5 billion invested

2019  
Yangpu District Transport Commission awarded first iRAP Star Rating Accreditation for achieving a 5-star rating on its Zhentong Road upgrades for bicyclists and pedestrians.

For More Information

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ChinaRAP team at work creating safer roads

ChinaRAP road assessments by bicycle

A world free of high risk roads: #3StarorBetter

icanhelp@irap.org  
irapsavinglives  
IRAPfb

The International Road Assessment Programme is a global registered charity. iRAP partners with automobile associations, governments, funding agencies, research institutes and other non-government organisations in more than 85 countries to provide the tools and training to make roads safe.

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