

Asphalt is constantly innovating.

Modern roads take full advantage of scientific and engineering innovations. Through education, research, and applied knowledge, the asphalt industry delivers the best performance and cutting-edge innovation for today, tomorrow and into the future.

TODAY

Since 1986, the asphalt industry has invested over

\$30M

in product research.

777% growth in WMA usage from 2009-2017.<sup>1</sup>

When it comes to **innovation**

# ASPHALT PERFORMS

TOMORROW

+2,200 students have been awarded industry scholarships, totaling

MORE THAN \$5.1M in scholarships granted since 1994.<sup>2</sup>

FUTURE

Visionary engineers are developing asphalt mixes to meet the needs of future cities.<sup>3</sup>

ENABLING THE 8M autonomous vehicles expected to be on the road by 2025 to "see" asphalt roadways.<sup>4</sup>

<sup>1</sup>Williams, B.A., A. Copeland, & T.C. Ross (2018). Asphalt Pavement Industry Survey on Recycled Materials and Warm-Mix Asphalt Usage: 2017 (IS 138). National Asphalt Pavement Association, Lanham, Maryland. doi:10.13140/RG.2.2.30240.69129

<sup>2</sup>NAPAREF (2018). Overview/Mission Statement <http://www.asphaltpavement.org/naparef>.

<sup>3</sup>Pan, P., S. Wu, Y. Xiao, & G. Liu (2015). A review on hydronic asphalt pavement for energy harvesting and snow melting. Renewable and Sustainable Energy Reviews, Vol. 48, pp. 624-634. doi:10.1016/j.rser.2015.04.029

<sup>4</sup>ABI Research (2018). Advanced Driver Assistance Systems (ADAS). London.

