

**ASPHALT MIXING PLANTS**

**The Task**

*Monitoring the temperature of asphalt mixtures is a challenging task due to the varying measuring conditions and characteristics of the process.*

Asphalt mixing plants face more and more stringent quality requirements by their customers. Also, the cost of primary energies such as petroleum, gas, and carbon are increasing all of the time. This is why bituminous mixing plants are being implemented with pyrometer-based non-contact measurement equipment and temperature control systems. Non-contact temperature measurement by pyrometers is a major contributor to optimum process control. First, pyrometers are well suited to measure the temperature of the mixture moving inside the drum dryer to help maintain a uniform temperature of the asphalt mixture. A second pyrometer can be introduced at the discharge chute to measure the temperature of the finished product as it is conveyed to the storage silos.

**Our Solution**

Advanced Energy offers two specialized solutions to address these issues and to provide a robust temperature measurement system:

**IN 5 or IN 300**

*For measuring the uniformity of the asphalt mixing process, LumaSense Technologies has developed the IN 5 and IN 300 pyrometers in conjunction with a dedicated mounting tube system.*

- Non-contact temperature measurement between 0 and 500 °C (IN 5) or 0 and 600 °C (IN 300)
- Pyrometer specifically adapted to this application, including maximum storage value
- Compact unit size
- Rugged mounting tube with air purge option for harsh environments
Product quality guaranteed through temperature control without interfering with the mixing process

Cost optimization through reduction of primary energy consumption

Continuous monitoring and documentation of your critical process