

 **Science.
Applied to Life.™**

3M CONNECTED CARS

Advanced Driving Sensor Technologies

Tammy Meehan Russell
Global Business Development Manager
Auto Sensors

Did you know...

3M has been providing solutions to the automotive industry since 1914.

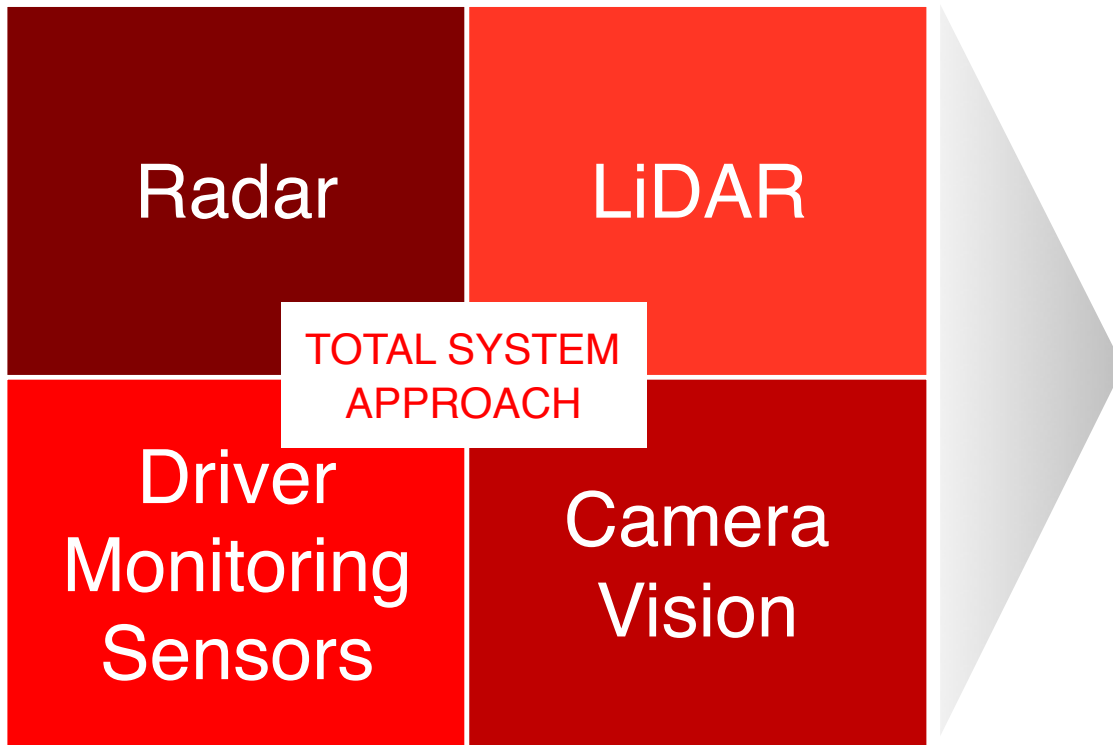
3M transformed the Consumer Electronics Industry with our multi-layer optical films

No matter where you go, you're never more than 1 meter away from a 3M product.

3M has been helping to improve roadway safety for 80 years by tackling issues around visibility of road markings and traffic signs.

3M

3M ADAS Sensor Applications



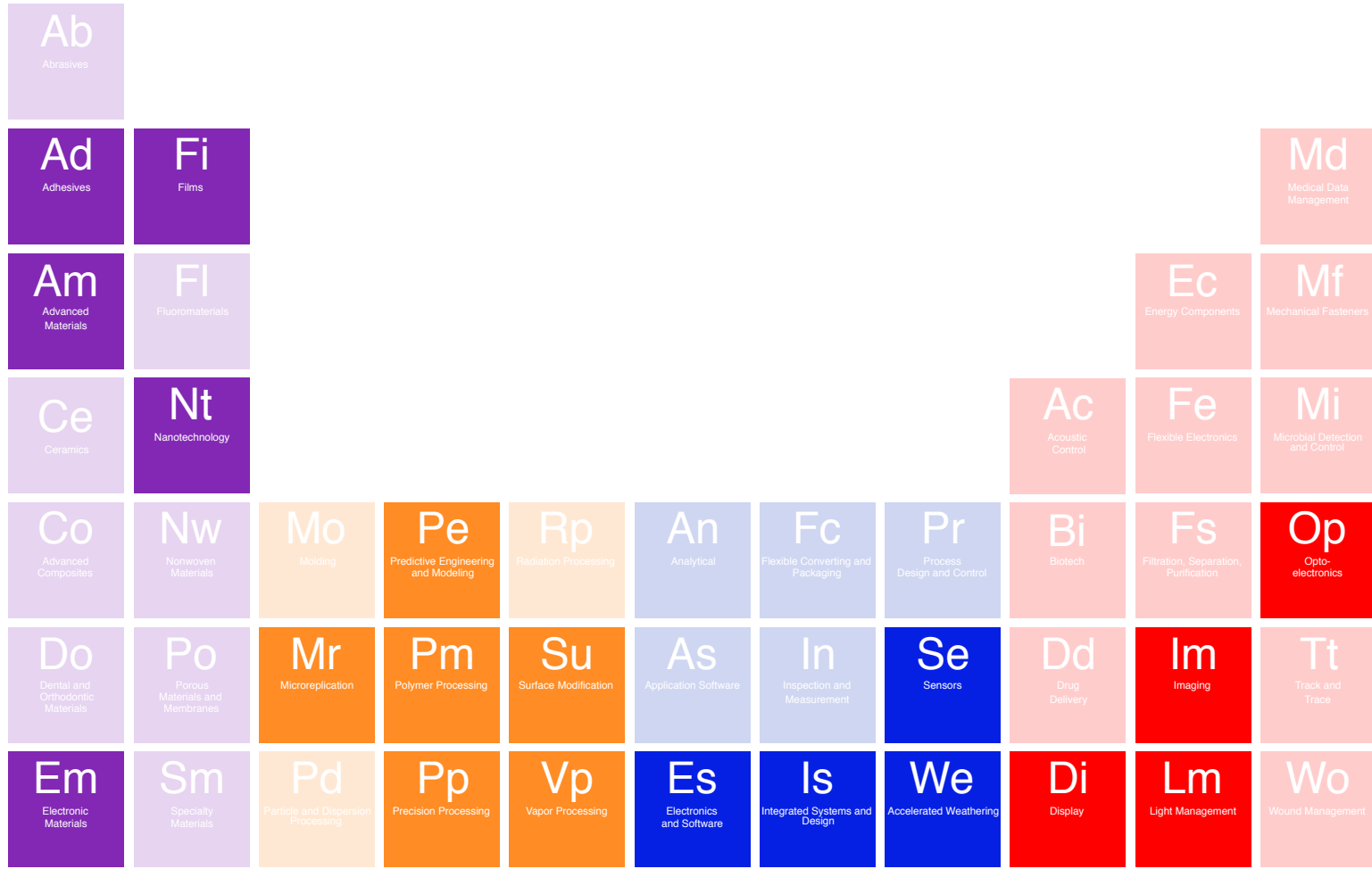
Sensor Enhancement



Sensor Protection



We leverage 19 of 3M's 46 technology platforms to ensure clarity of the signal across all sensor types.




Materials

Processing

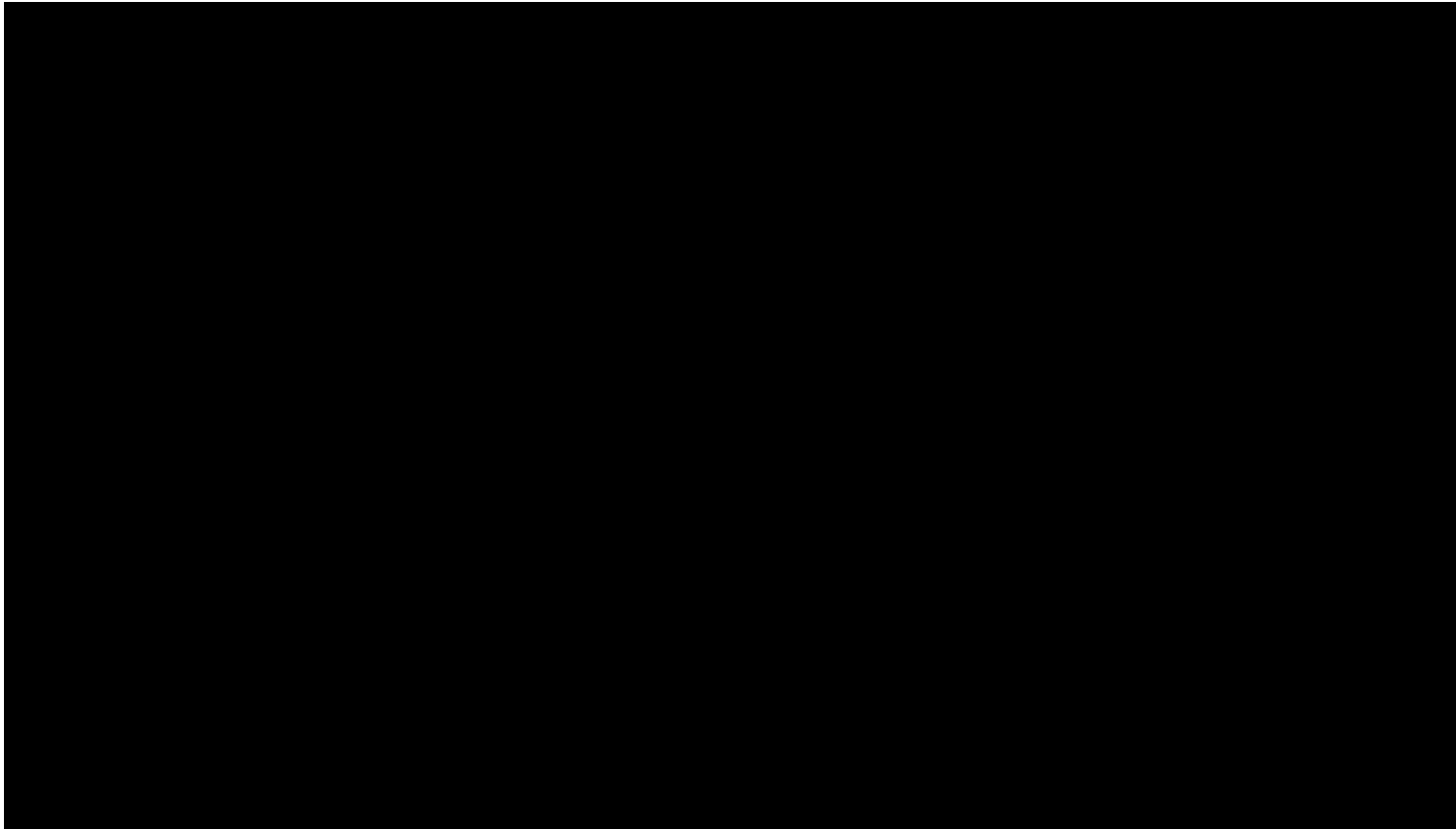
Capabilities

Applications

A black and white photograph capturing the dynamic moment of water splashing onto a dark, reflective surface. The water droplets are frozen in mid-air, creating a crown-like splash in the center. The background is dark and textured, with many small, out-of-focus droplets scattered across the frame, suggesting a heavy rain or a high-speed water spray. The overall mood is one of intensity and resilience.

I need to trust that my sensors
will work in harsh weather
and road conditions.

Protection: Exterior Grade Performance



Weather

- Moisture Penetration
- UV Degradation
- Heat/Cold Degradation



Cleaning & Repellency

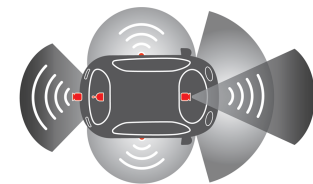
- Dirt
- Water
- Salt
- Fog
- Fingerprints



Durability

- Scratches
- Rock / Debris
- Chemical Washing

Design Flexibility





Thank You

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