



bluebox
innovations for the **real** world

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Polymer degradation

Technology

Queensland University of Technology (QUT) researchers have developed a novel compound, which, when used as an additive in the production of polymers, may be capable of indicating the level of degradation in the material by producing a relative fluorescent output.

An indicator such as this has many potential applications ranging from straight forward in-situ monitoring of polymer degradation levels, to application as a predictor of a given polymer's useful lifetime.

Market

This is a platform technology in the area of polymer degradation detection and measurement. Some application areas where the technology may prove valuable include:

- Quantitative measurement of polymer degradation;
- Prediction of polymer lifetime for given applications;
- Assessment of polymer quality; and
- Quantitative measurement for plant maintenance requirements.

Business Opportunity

An opportunity exists for industry players to partner with **bluebox** to take this promising technology from the lab and into the real world. Industry partners may wish to utilise the scientific expertise that exists at QUT to optimise the technology for their specific requirements.

Contact

The technologies team at **bluebox**, the technology transfer and commercialisation company for QUT, consists of experienced professionals with industry-relevant technical backgrounds and a broad range of skills in management, legal, patent and financing areas.

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