

# Converting a major dosimetry service from Film to Optically Stimulated Luminescence dosimeters including revision of the “back-office” software.

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## Abstract

In our offices at Fontenay-aux-Roses we provide personal dosimetry for over 100,000 participants. During 2005/6 we transformed our operations from film dosimeters to those using Optically Stimulated Luminescence (InLight™). The opportunity was taken to fully overhaul our operational procedures and we are currently completely reworking our “back-office” software support.

The change from film to InLight dosimetry has involved:

- the installation of new readers at our offices in Fontenay-aux-Roses;
- the installation of a physical badge archiving system;
- complete revision of the operational flow to optimise the benefits of the new service;
- maintenance of our approval to operate a personal dosimetry service in France;
- considerable liaison between our office in Fontenay-aux-Roses and our Glenwood, USA, parent company to enable complete integration of the processes; and
- maintaining the service throughout the changeover and keeping client satisfaction high.

Having changed the physical environment we are now completely renewing the back office software and systems in support of the dosimetry service. This ranges in scope from entering new clients, client support, all aspects of the dosimetry operations and chain of custody of the dosimeters and participants records and reports. This system is being rolled out in sections and it is envisaged that it will be fully implemented at the start of 2008. A key feature is that continuing improvement and the possibility of future developments of our services is in-built into the philosophy of the new back-office system. The nature of the new system, its benefits to our own operations and, in particular, clients will be discussed.

**KEYWORDS:** *InLight, Personal dosimetry.*

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