



## Malahide's magnificent medieval monument

### Project in brief

This medieval mansion was built in stages by the Talbot family commencing with their grant of land in 1171. The castle is a Recorded Monument and the huge demesne contains numerous Protected Structures of great architectural and historic interest.

Our brief was to visually inspect a broad range of designated structures within the demesne (which is a prime tourist attraction and was inspected whilst open for business as usual) and report on their structural condition (listing structural defects and probable causes, and assessing safe floor loadings etc.).



### Survey included:

#### Malahide Castle

- Original twelfth century bawn and subsequent extensions (medieval, Georgian, Victorian etc.)

#### Ruined Abbey + Graveyard

- Fifteenth century structure

#### Museum Complex

- Courtyard offices including Tara's Palace, Fry Model Railway Museum, park rangers offices and retail units

#### Gate Lodges

- Four historic gate lodges and adjacent ornate entrance gates

#### Barbican Tower

- Seventeenth century structure

#### Sports Pavilions

- Two sports pavilions (a cricket club, and a tennis / golf clubhouse)

#### Demesne Boundary Walls

- Various types of boundary wall with an overall perimeter length of 4.25 kilometres enclosing 108 hectares of parkland and sports fields



**LeeMcCullough**  
Consulting Engineers

*Project 3908: Monument - Inspection*

### Malahide Castle Demesne

**Client:** Fingal County Council

**Architects:** Paul Arnold

**Value:** €14.7k (2009)

#### LeeMcCullough team:

Lorcan O'Flannery

#### Project scope:

- *Visual Inspection*
- *Structural Assessment*

### Inspections & Surveys

At LeeMcCullough we have extensive experience of inspecting both modern and historic buildings. We frequently inspect existing buildings to establish the ease to which they may be put to alternative use, or the most efficient means of providing additional space by extending vertically and/or laterally. We are also brought onboard as trouble-shooters when civil or structural problems arise.

Over many projects we have investigated and reported on a wide range of issues, including:

- Condition surveys of protected structures and recorded monuments
- Assessment of structures for modification and/or extension
- Flood risk assessments and investigation of defective drainage
- Due diligence and pre-purchase reports

At LeeMcCullough we take pride in providing a comprehensive service and applying our investigative talents to unravel the mystery of the problem.