Challenges for FM in Portugal

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Facilities Management (FM) is a new field of expertise in Portugal. While businesses have been using FM for several years, the lack of competitiveness in the Portuguese economy has prevented Portugal from developing the professional management of its facilities to the extent of its European counterparts. In Portugal, there are several professionals who have been working in FM-related areas (for 20 years) but who are not recognised as Facility Managers. This situation is changing rapidly, however, leading to an improved recognition of this area of professional activity. In order to stay competitive, businesses and organisations are becoming increasingly savvy when it comes to managing their facilities and assets. Furthermore, buildings are becoming larger and more complex, they must be built in compliance with new requirements (e.g. sustainability and regulatory), and must meet increased performance and comfort demands, all of which calls for professional and integrated facility management.

When the Portuguese FM market situation is compared with the desired situation which reflects European trends (Table 1), it is clear that a number of important developments must take place. The main challenges that Portugal must overcome in order to benefit from FM are:

i) improve the recognition of the FM market and FM profession;
ii) increase the use of FM tools to lead to improvements in the core-business of organisations and increase the contribution of FM-related departments;
iii) implement educational training programmes for professionals in order to increase skills in relevant areas of knowledge.

The more developments that take place in the FM profession, the greater the reason to invest in FM research. However, these developments depend on whether there is an appropriate support framework in place in the form of FM educational programmes. The topics of FM research and establishing a national FM education curriculum are therefore closely related.

Current research areas and future trends

A number of researchers, mostly from the large public universities, and from a diverse range of backgrounds including management, architecture, civil, mechanical and electrical engineering as well as computer science, have been directing their research efforts towards FM-related topics. In order to push new projects and research, researchers and groups become aware of each other, collaboration has also begun to take place. The national research efforts have mostly been concerned with:

- FM tools, performance measurement and indicators - through research focused on the advantages of applying FM tools, such as service-level agreement (SLA), and of using performance indicators to control service quality (Silva, 2011; Mauricio, 2011). A recent field study on the hospitality industry led to the establishment of a three-step model which proposes a simplified SLA for the technical maintenance services for hotel buildings (Gomes, 2012);
- Service-level agreement definition – aims to specify the requirements for services during the usage phase of the building (especially, maintenance services), applied to participate partnership contracts (PPP) (Cabaço, 2011);
- Assessment of buildings in use and client satisfaction - research on post-occupancy assessment (POA) methodologies aiming at improving the knowledge of the buildings in-use and of their ability to fulfill user expectations. This research also aims at developing new methodologies and supporting tools to enable faster and continuous POA (Santos, 2008);
- Workplace management using structured occupation indexes - this line of research is still in its initial phases and aims to assess workplace performance, interaction between technology, environment and people, and also the approach to news ways of working (Santos, 2008);
- Service integration and building management systems - research concerned with the available technical and economic resources, improvement of building system performance, studies on usage costs and life cycle assessment of construction materials and building assemblies, eco-materials in building design, construction and maintenance, and compliance with sustainability requirements. This research also aims at enhancing interdisciplinary FM collaboration in FM;
- Provision of IT for facilities – mostly concerned with finding low-cost and low-disruption IT solutions for ‘smart buildings’. Several research efforts are included in this category:
  i) interoperability and integration issues concerning digital building models and electronic product catalogues for use in Architecture/Engineering/Construction (AEC) and in operations;
  ii) decision support software tools to assist investment decisions concerning control technologies for retrofitting buildings (Uninova, 2012);
- Intelligent Building Systems and IT-supported Energy Efficient Buildings at the MIT Portugal Sustainable Energy Systems Group (MIT, 2012);
- employment of advanced software engineering techniques for integrating heterogeneous building data and enabling the fast, low-cost development and commissioning of software for building (such as CAFM, BEMS) (INESC-ID);
- spatial organisation using constraint processing and quantitative and qualitative knowledge representation (Regateiro et al, 2012), which may contribute to future developments in FM tools;
- integration of sensor and actuator networks with FM tools for the monitoring and control of various aspects inside buildings in order to meet comfort, cost or sustainability requirements.

Future steps for an effective education programme

FM, both as a profession and as an educational field, has not yet reached maturity in Europe or at national level in Portugal. Despite the fact that FM-related subjects have been introduced to real estate, engineering, architecture, or management courses, there are no FM-specific educational programmes to date. This absence of an integrated studies programme represents a major obstacle to the promotion of FM and consequently, to the development of FM research. A field study was carried out in Portugal as part of the International Facility Management study at the Hanze University of Applied Sciences (Steenhuzen, 2011) in collaboration with APFM and the Technical University of Lisbon (IST, 2012). One of the conclusions drawn from this study points to the difference between European and Portuguese employees currently in the role of a Facility Manager, while Portuguese employees come from either an engineering or
Yellow Pages shows its colours

by Maria Elisa Dalgri, External Relations Manager, IFMA Italy

Giancarlo Beck, SEAT HR Services manager, tells us how the company’s new Turin base has come into being. It extends over 26,000 square metres with 300 offices, 50 meeting rooms, 1,230 workstations, 5 break areas, a restaurant and an auditorium. ‘After listening to our internal customers, we have created a bright, transparent environment,’ he says, ‘and every employee has had the chance to leave their own creative imprint on their workplace.’

For any company, an office move is always a critical time that is full of unknowns. Like any risky transition though, it also offers huge opportunities for growth and innovation. SEAT Pagine Gialle knows this very well. The telephone directory company has fully exploited all the transformational opportunities arising from the decision to bring together its various branches’ 850+ employees in a single new complex in Turin, on the site once occupied by the Officine Savigliano engineering giant. Giancarlo Beck – the Manager of HR Services, Corporate University, Learning and Development at SEAT – tells us about the project and reveals how the employees’ ideas and wishes have had a formative role.

How large is the new office?

It covers 26,400 m2 and comprises 300 offices, 50 meeting rooms and as many as 1,230 workstations. There is also a company restaurant seating 220 and an auditorium that can accommodate up to 99 people. The office is part of a complex that includes a shopping centre and a private staff car park to complement the ample public parking facilities.

Creating the new office has taken us about two years, from devising the concept to finding the location and completing construction work.

Tell us about your aims and the main stages of the work.

The company saw the need to consolidate its six premises near Turin into a single location. This idea evolved into a project to create a single facility that could achieve several aims:

• stronger outward focus
• a quest for innovation
• greater informality
• decentralised decision-making
• better sharing and spreading of knowledge
• enhanced quality of working life.

To achieve this, we surveyed our internal customers to identify what our employees needed. This analysis informed the decision made by top management as to which factors would drive the development of the new base. The two most important elements to emerge were brightness and transparency. These drivers were studied and taken forward by an advisory board (including architects and experts in corporate culture), which translated these concepts into spaces and interior designs.

How much space did you dedicate, in particular, to communal and rest areas?

The office has 15 break areas, each with vending machines and a small adjoining rest area. The company restaurant spans nearly 1,150 m2 and is designed for free-flow service with island counters. The architectural background and lack formal training in Facility Management, professionals in the rest of Europe have benefited from specific training in FM. The APFM has identified this absence of FM training in the Portuguese education system and, with the support of a group of experts, is creating an institutional guide with requirements for an educational programme. It is hoped that, by defining requirements for FM education in Portugal, it will encourage the sound development of FM as a field of education in Portuguese universities, thus providing support for FM practitioners and researchers in Portugal.

Conclusions

The Portuguese FM market requires further development to reach the stage of maturity that other FM European countries are currently at. Despite being a fairly recent concept, FM appears to be making rapid progress. This is reflected in the fact that, while Portuguese research in FM was dispersed at the beginning, collaboration between universities, professionals and organisations, in some cases through the direct involvement of APFM, is developing at an increasing pace. FM education programmes in Portugal will be a reality in the near future, helping to establish FM as a profession and therefore increasing recognition of the benefits of the FM research being conducted by the Portuguese organisations and FM practitioners and experts.

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