SCHOOL BUILDING MODERNIZATION IN PORTUGAL (2007-11) LESSONS TO BE DRAWN

RECONFIGURING EXISTING BUILDINGS FOR MODERN EDUCATION CONTEXT On behalf of TERESA VALSASSINA HEITOR

83

SECONDARY SCHOOL BUILDING MODERNIZATION PROGRAMME | 2007

OPTIMIZE PUBLIC SCHOOL FACILITIES PROGRAM FUNDS 332 schools by 2015; total investment: 2.45 billion EUR (for the first 205 schools)

BRING SCHOOL FACILITIES UP TO HIGHER STANDARDS

OPEN SCHOOLS UP TO THE WIDER COMMUNITY

PROVIDE FOR FUTURE MAINTENANCE AND CONSERVATION OF REFRBISHED BUILDINGS

SET UP AN AGENCY PARQUE ESCOLAR



SECONDARY SCHOOL BUILDING MODERNIZATION PROGRAMME | 2007



Context of the school building modernisation programme

- Physical deterioration of existing buildings
- Poor environmental standards
- Functional inadequacy for teaching and learning
- Compare: other OECD and EU countries



Objectives of the modernisation programme: create state of the art educational facilities

- Modernise the physical infrastructure
- Open schools to the wider community
- Provide for future maintenance
- Reduce environmental impact

FORMAL EDUCATION + VOCATIONAL TRAINING

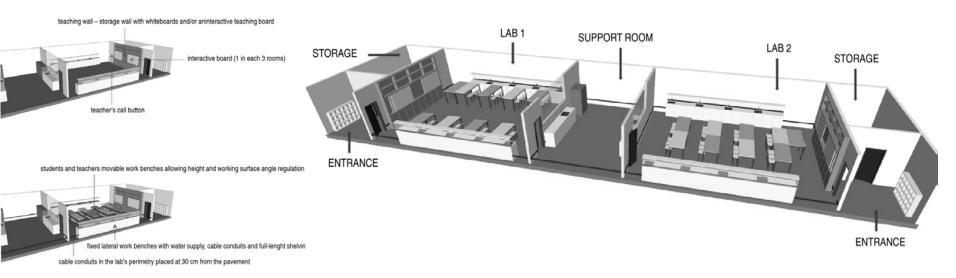
EXPANDED CURRICULUM + LIFE LONG LEARNING

COMMUNIY-RELATED PROGRAMMES

after-work training activities + cultural and social events + sports



NEW STANDARDS FOR STATE-OF-THE-ART SCHOOL INFRASTRUCTURE

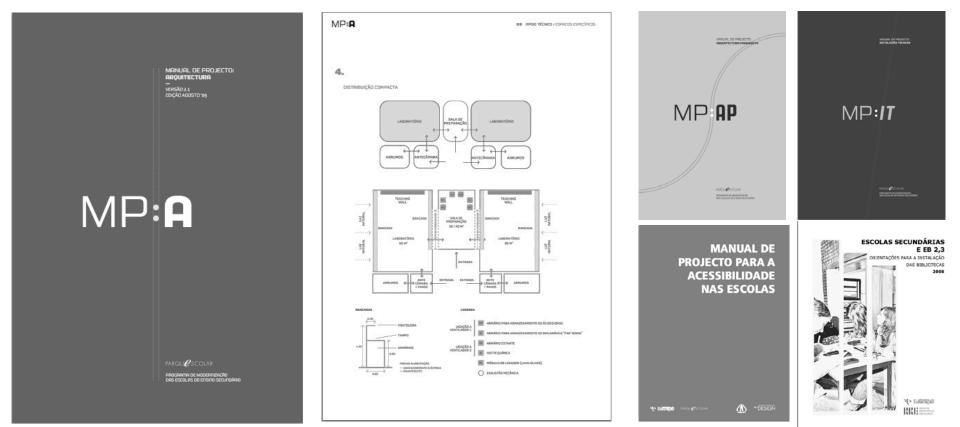




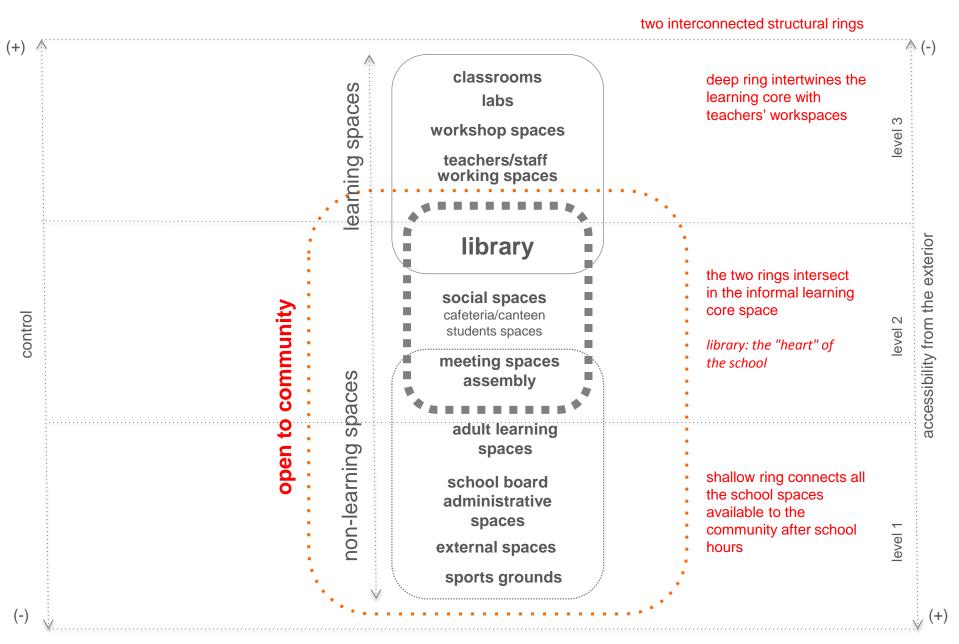
SCHOOL BUILDING MODERNIZATION IN PORTUGAL (2007-11) LESSONS

TECHNICAL GUIDANCE DOCUMENTS: PROJECT MANUALS

MASTER SPECIFICATIONS | RULES | SOLUTIONS



http://www.parque-escolar.pt/en/program/architectural-design-manual.aspx http://www.parque-escolar.pt/en/program/landscape-design-manual.aspx http://www.parque-escolar.pt/en/program/ltechnical.installations-design-manual.aspx http://www.parque-escolar.pt/en/program/school-accessibility-design-manual.aspx http://www.parque-escolar.pt/en/program/design-guidelines-for-libraries.aspx



SCHOOL BUILDING MODERNIZATION IN PORTUGAL (2007-11) LESSONS

COLLABORATIVE DESIGN PROCESS

MULTI-STAGE PROCESS WITH SCHOOL BOARDS' INVOLVEMENT SINCE THE INITIAL STAGE



WORKS WITHOUT DISRUPTION OF SCHOOL ACTIVITY | 18 MONTHS AVERAGE TIME ALERT EDUCATIONAL COMMUNITY + CONTRATORS + PROJECT TEAM UNDER STRESS



STARTING WITH 4 PILOT PROJECTS PILOT PHASE = FEASIBILITY STUDY

TO TEST

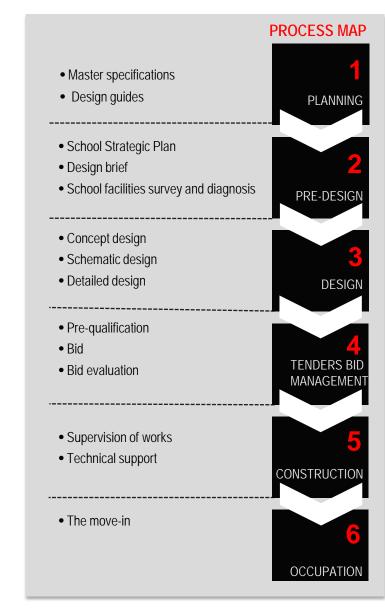
CAPITAL PLANNING PROCESS

DESIGN STRATEGIES, PRINCIPLES AND MODELS TENDERS AND MANGEMENT PROCEDURES SUPERVISION OF WORKS MOVE-IN

TO COLLECT EVIDENCE

UNDERSTAND EXPECTED VARIATION IN THE PROCESS BETTER PREDICT COST SAVINGS

RESULTS USED TO RESPOND TO UNREALISTIC EXPECTATIONS OF SCHOOL BOARDS AND USERS



- EFFECTIVE USE OF RESOURCES AND COST CONTROL
 HIGH EFFICIENT SOLUTIONS SUITABILITY | ROBUSTNESS | COST EFFECTIVENES
- 2 CONTINUOUS REVIEW OF THE PROCESSES AND BUILDING PERFORMANCE | FEED BACK LOOP COLLECTION AND UPDATE (SPACE-USE AND COST) INFORMATION
- **3 INFORMATION RELATED TO RELOCATION PROCESS AND OCCUPATION OF REFURBISHED PREMISES** SPACE MANAGEMENT AND COST IN USE
- 4 DIFFICULTIES OF INTEGRATING PREVENTIVE MAINTENANCE IN THE LONG AND SHORT TERM OPERATION AND MAINTENANCE PERSONNEL TRAINING SCHOOL USERS TRAINING CONTINUOUS MONITORING FOR CORRECT USE OF THE FACILITIES
- Decado de la compara de la



thank you

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