form follows learning

International Conference| Athens, 9-11 September 2015

Education in Greece: facts & figures

Julie Velissaratou
Director General, Planning & Support Operations
Buildings Infrastructure SA

Athens, 09 September 2015

Agenda

- Education in Greece at a glance
- Presentation of Buildings Infrastructure SA [BI]
- Operation model of Greek public schools
- Pilot project of upgrading 25 primary schools in Western Attica

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Education in Greece at a glance

13 regions

325 municipalities

15.000 school units

130+ projects

500+ m€ [2010-2015]

ΚτΥπ ΚΤΙΡΙΑΚΕΣ ΥΠΟΔΟΜΕΣ Α.Ε.

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Merging of three public sector agencies [Nov 2013]

ΟΣΚ
ΟΡΓΑΝΙΣΜΟΣ ΣΧΟΛΙΚΩΝ ΚΤΙΡΙΩΝ Α.Ε.

- educational infrastructure | founded in 1962

ΔΕΠΑΝΟΜ Α.Ε.
ΔΗΜΟΣΙΑ ΕΠΙΧΕΙΡΗΣΗ ΑΝΕΓΕΡΣΗΣ ΝΟΣΗΛΕΥΤΙΚΩΝ ΜΟΝΑΔΩΝ Α.Ε.

- health infrastructure | founded in 1983

ΘΕΜΙΣ
ΚΑΤΑΣΚΕΥΑΣΤΙΚΗ Α.Ε.

- justice infrastructure | founded in 1996

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- one public sector agency to promote all public buildings throughout the country

Buildings Infrastructure SA in brief

- State owned company [SA] | unique shareholder: the Greek State
- Company was founded on Nov 2013
- Supervised by the Ministry of Infrastructure | in collaboration with the Ministries of Education, Health and Justice
- Provides public educational, health and justice infrastructure throughout the country; justice infrastructure was incorporated in the scope on 01 Aug 2015
- Authority to manage PPPs for school & other infrastructure in Greece

Buildings Infrastructure SA_scope

- main scope:
  - land acquisition, design study & construction of public buildings
  - procurement, storage and distribution of equipment
- construction is implemented:
  - either directly by the agency BI
  - or through PPPs
- responsible for all the processes of the value chain
- funding through:
  - State budget [Public Investment Programme]
  - Loan with European Investment Bank
  - EU structural funds

Buildings Infrastructure SA |Strategy

- **mission:** to provide modern and well equipped education and health national public infrastructure/buildings in Greece and abroad

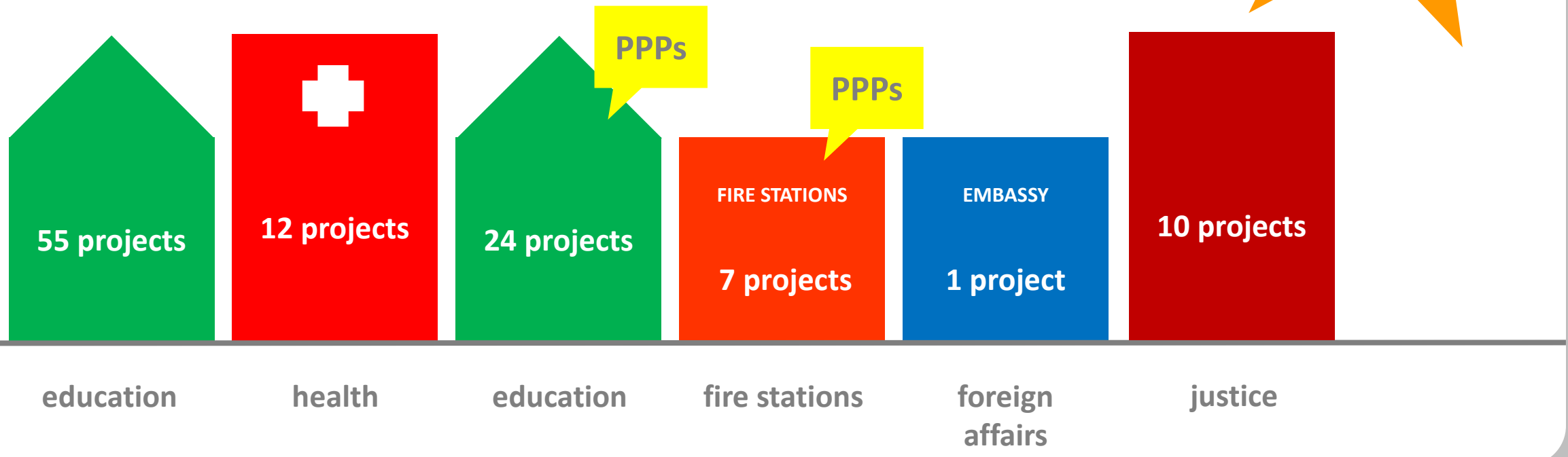
- **vision:** pioneer and innovative in providing public buildings' infrastructures, with respect to the environment

Technical Consultant of the State | assist the municipalities & local government

Current projects in a snapshot

- under construction ~100 projects of > 500 m €
- about to sign 26 new contracts
- planning to tender more than 40 projects

PPPs are 25% of projects



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Stakeholders involved in education

Min of Education

Min of Infra

Min of Int Affairs

Education Directorates

Diophantos

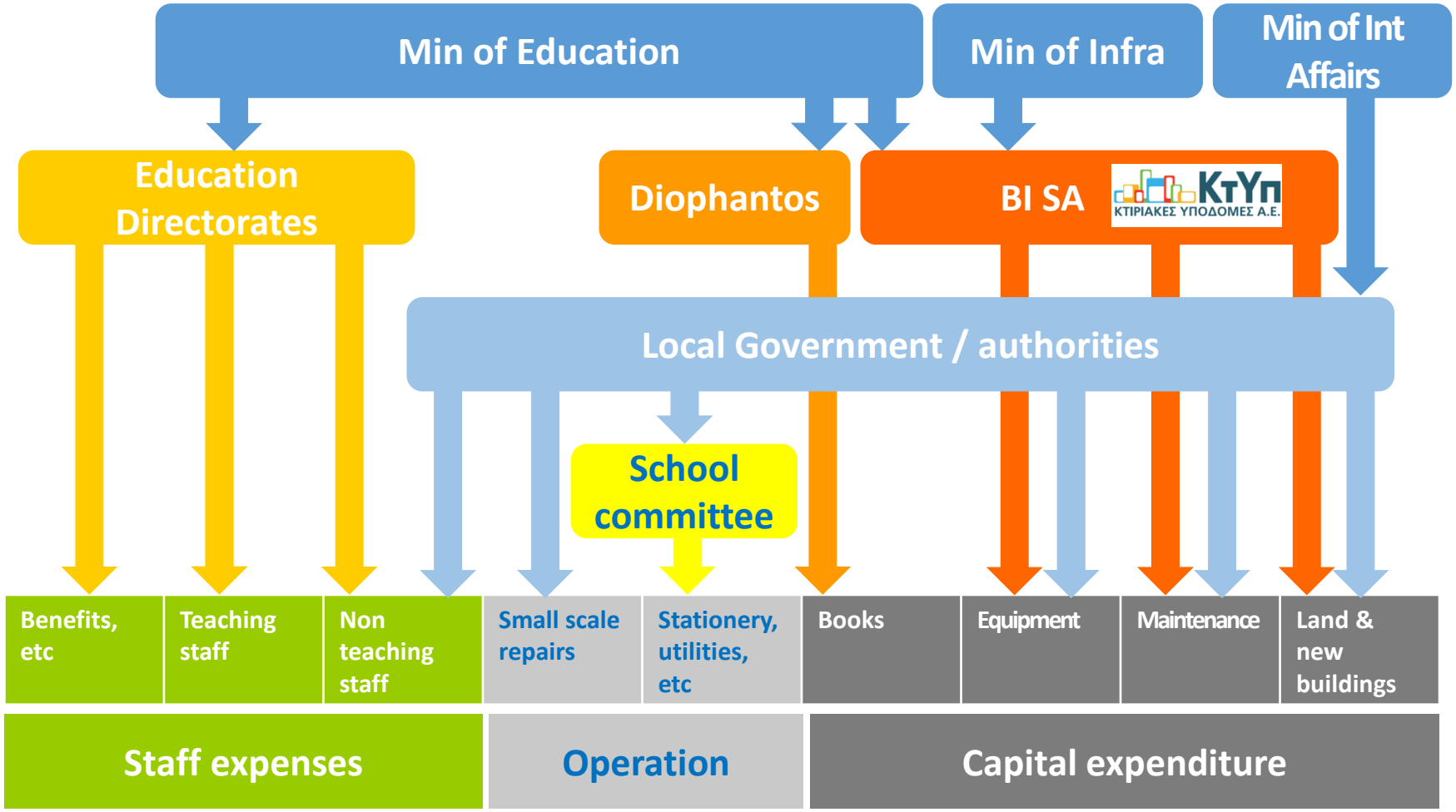
BI SA

Local Government / authorities

School committee

Benefits, etc	Teaching staff	Non teaching staff	Small scale repairs	Stationery, utilities, etc	Books	Equipment	Maintenance	Land & new buildings
Staff expenses			Operation		Capital expenditure			

Stakeholders involved in education



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Pilot project in Greece is an urban acupuncture project

- **Urban acupuncture*** is a socio-environmental theory that combines contemporary urban design with traditional Chinese acupuncture.

* wikipedia

- Urban acupuncture uses small-scale interventions to transform the larger urban context.
- Sites are selected through analysis of aggregate social, economic and ecological factors, and are developed through a dialogue between designers and the community.
- Just as the practice of acupuncture is aimed at relieving stress in the human body, the goal of urban acupuncture is to relieve stress in the built environment.
- Urban acupuncture is intended to **produce small-scale but socially catalytic interventions in the urban fabric.**

Goals & Vision of the Pilot Project

- **Goal:** creation of micro-environments in the common areas of the primary schools, that are user-friendly and challenge the pupils' creativity, curiosity and interaction
- **Vision:** enhance the educational outcome and the social behaviour
- **Population affected:** more than 4,000 pupils

Methodology & Funding

- Presentation to head masters of the pilot project
- Site visits to the schools by the SBO project team
- Essays and creative work made by the pupils on the ”ideal school”
- Final design studies
- Presentations to the school communities
- Tender documents & construction during summer 2013

- Funding secured through a loan of the European Investment Bank
- Estimated budget: 4m Euros
- Final cost: 2m Euros approximately

Sources of inspiration for the pilot project

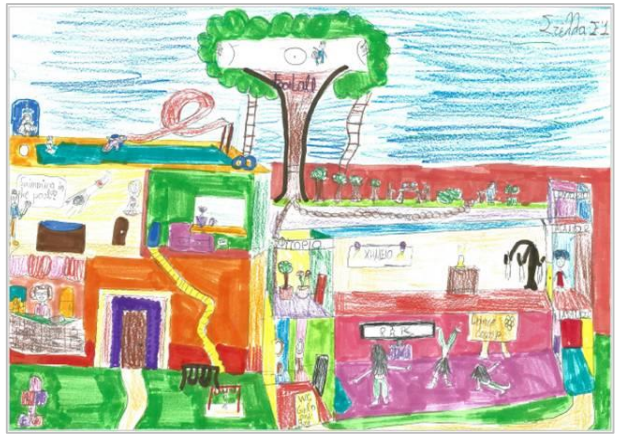
Sir Ken Robinson has described a wonderful story in the introduction of his book **"The Element"**, about a six-year old girl drawing on a paper, totally absorbed in her art.

When asked about what she was drawing, the girl said "I' m drawing a picture of God".

Her teacher then said **"But nobody knows what God looks like"**, and the girl replied, **"They will in a minute"**.

Source of inspiration: creative work by the pupils

Source of inspiration: creative work by the pupils_no 2



Source of inspiration: examples from international schools

Source of inspiration: examples from international schools_no 2

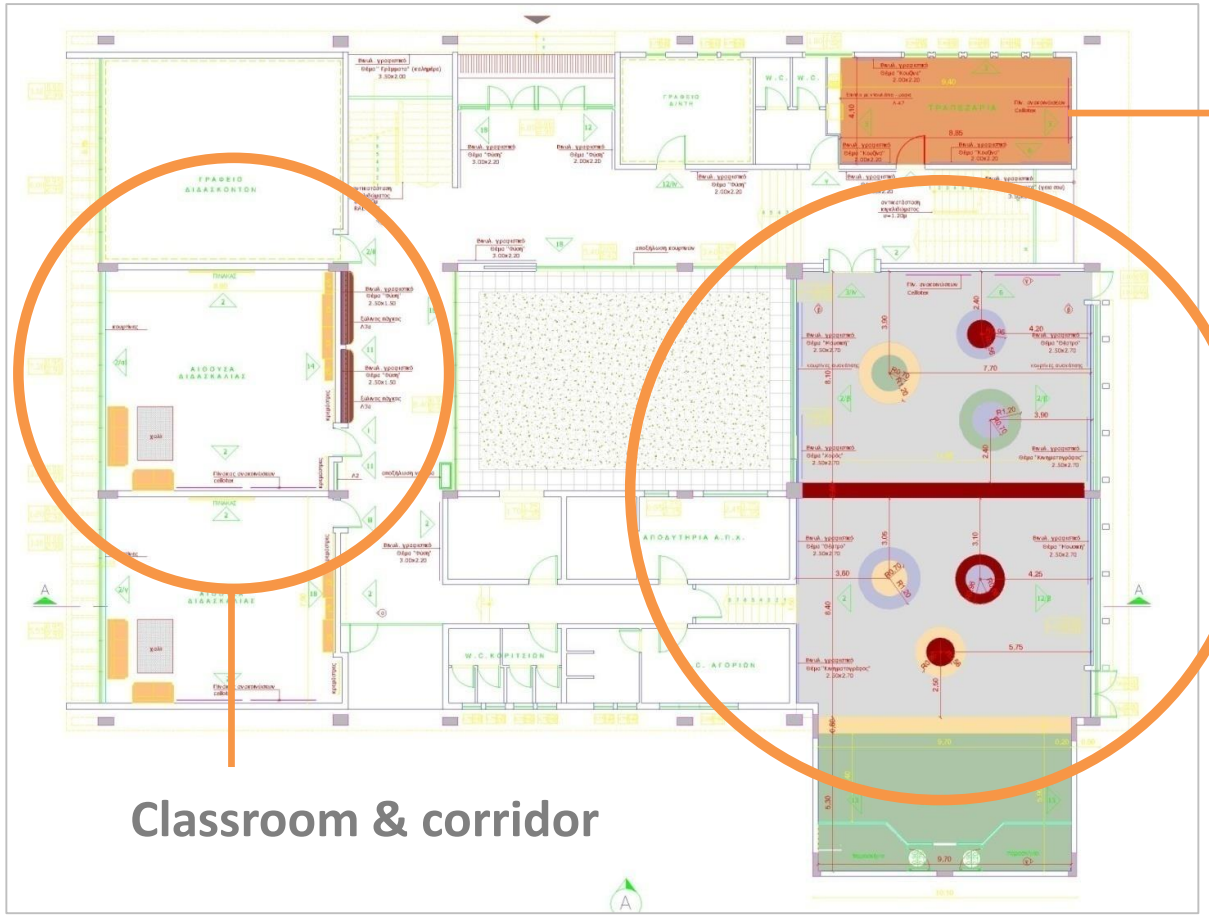
Source of inspiration: examples from international schools_no 3

Source of inspiration: examples from international schools_no 4

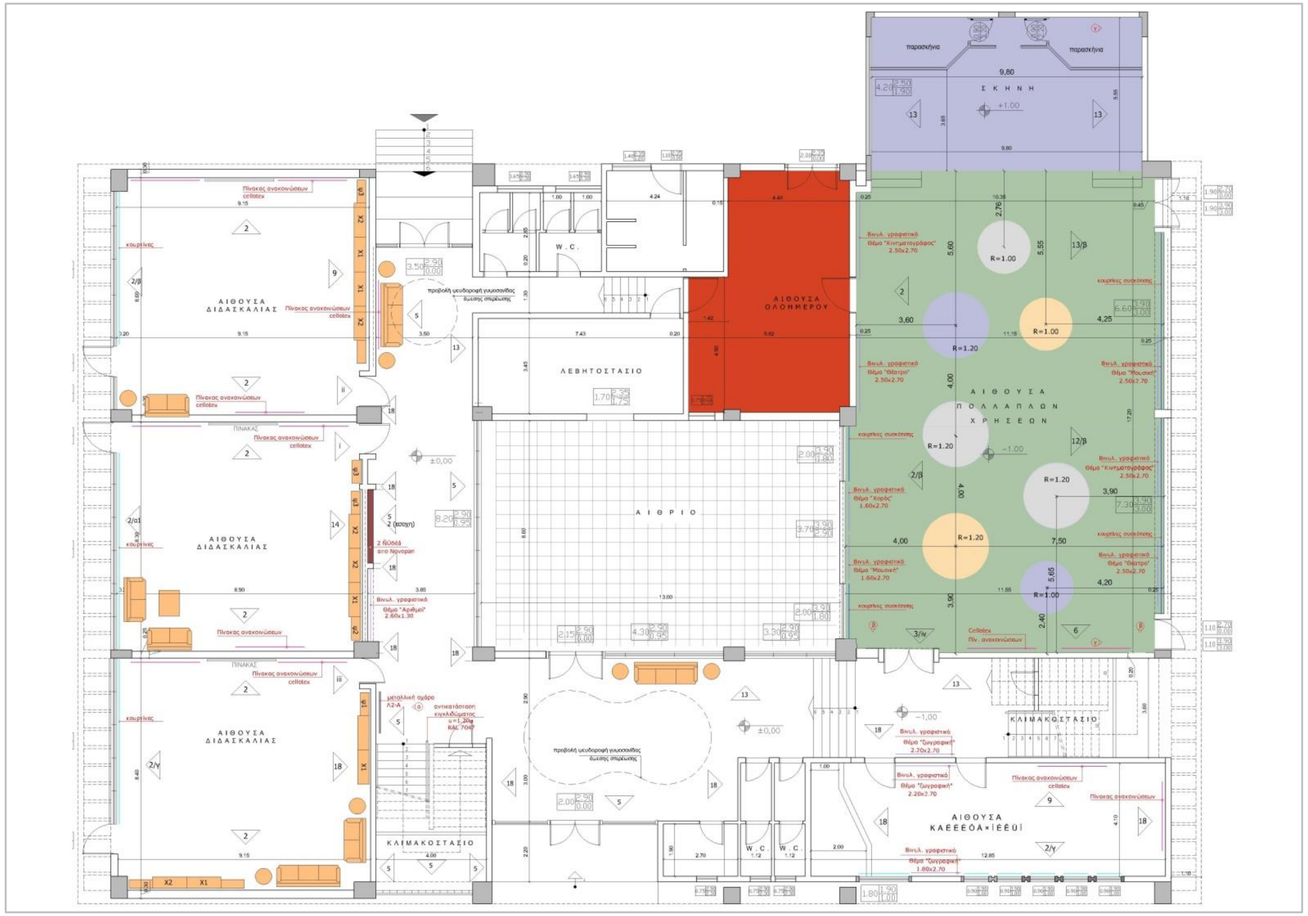
Scope of the pilot project

- New colored floors; especially in common areas
- Paint the walls of the main lobby, corridors and multi-purpose hall; use of vivid colours
- Use graphic elements in the corridors [like wallpaper]
- Revamp the facades
- Create small social/interaction areas inside the classrooms and in the corridors [sofas, chairs, tables, etc]
- Upgrade technological equipment [interactive whiteboards, PCs]
- Install big message boards; cabinets; curtains

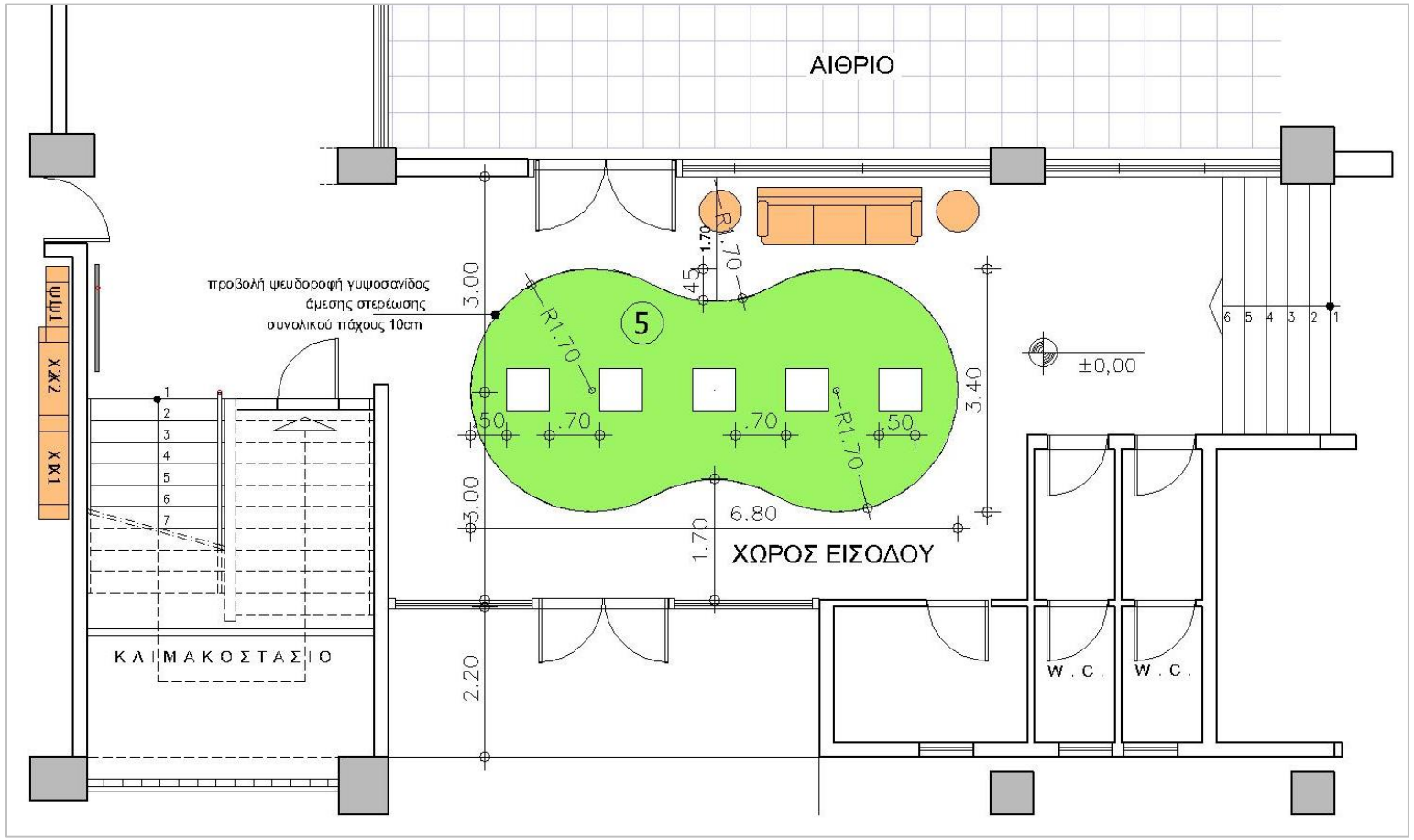
7th Primary School, Haidari

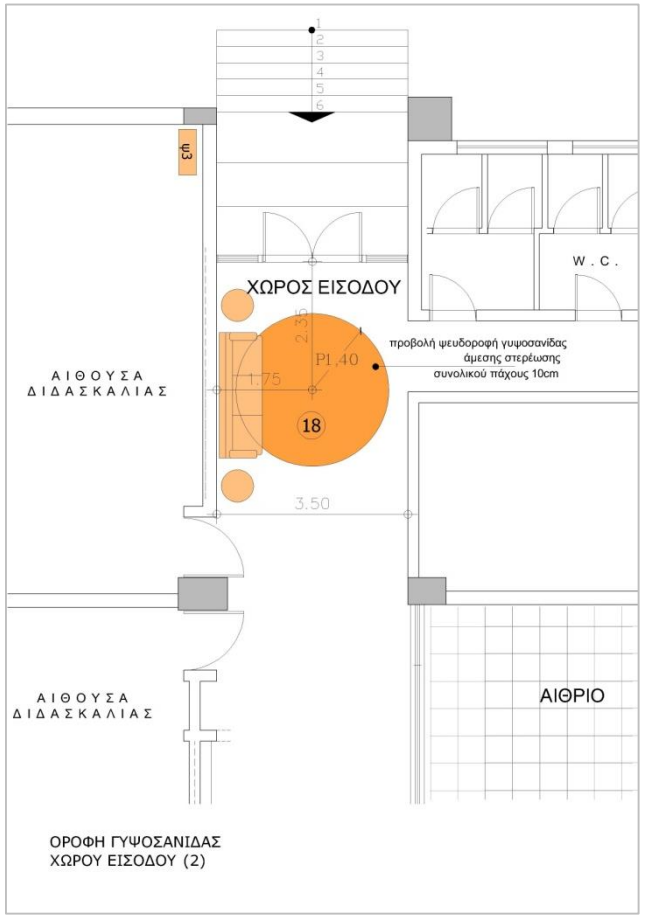


8th Primary School, Haidari | entrance level

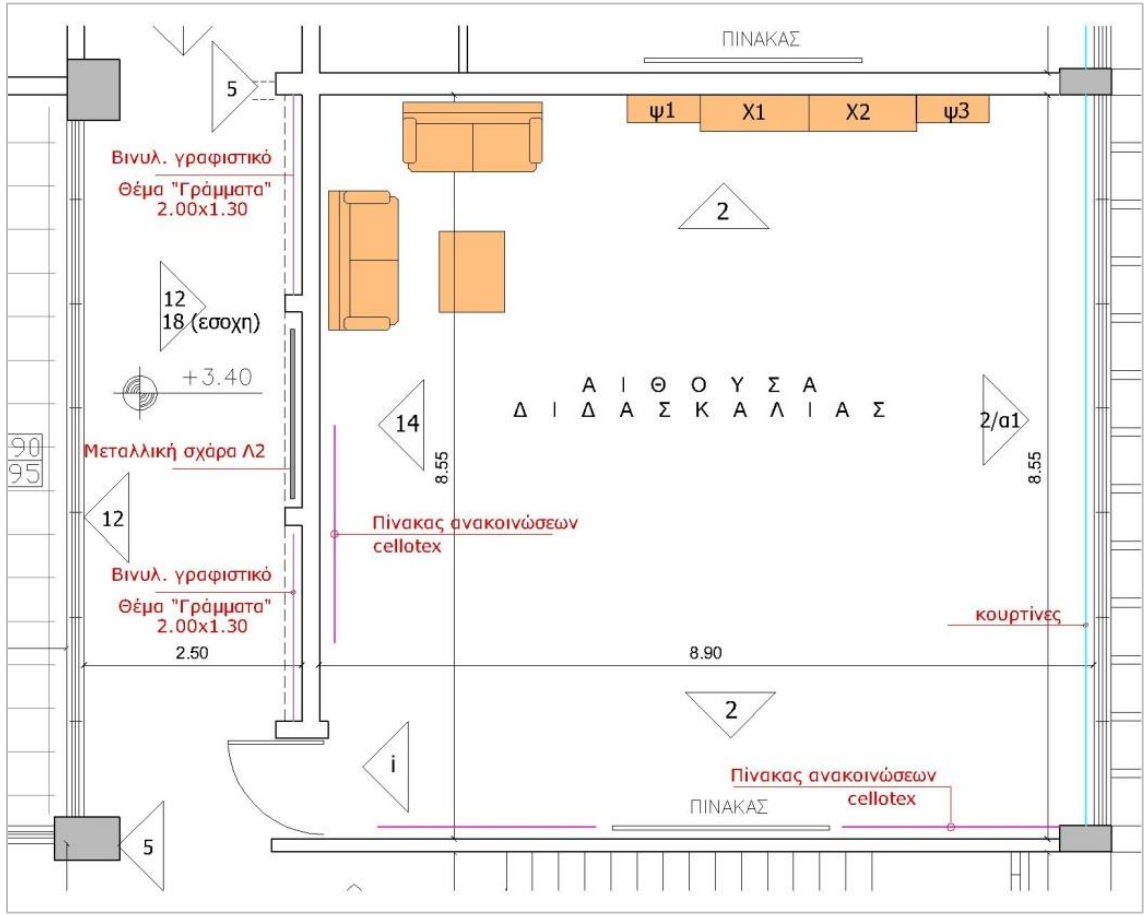


Details from the new ceilings in the lobby area

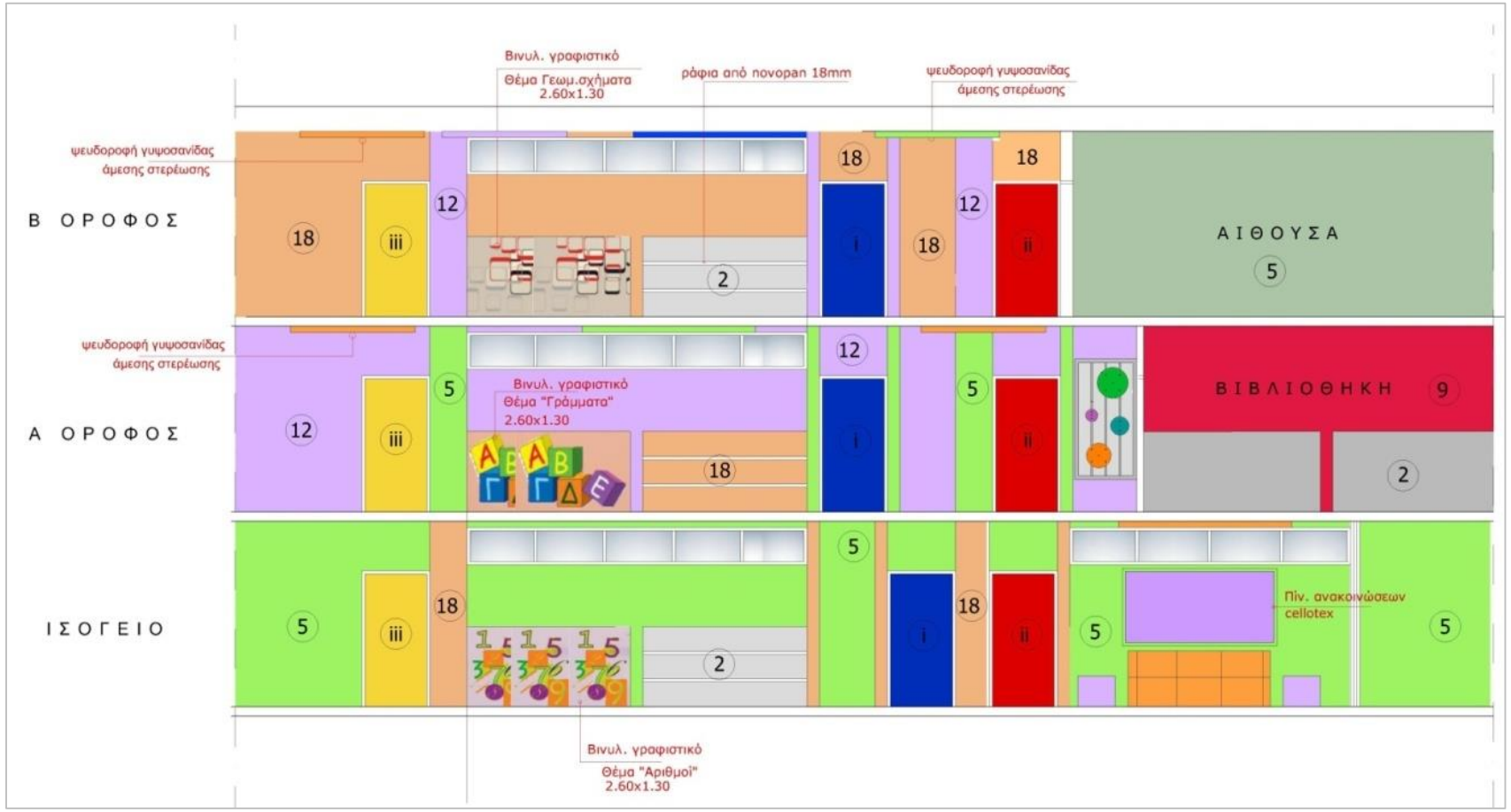




Classroom with new sofas & furniture

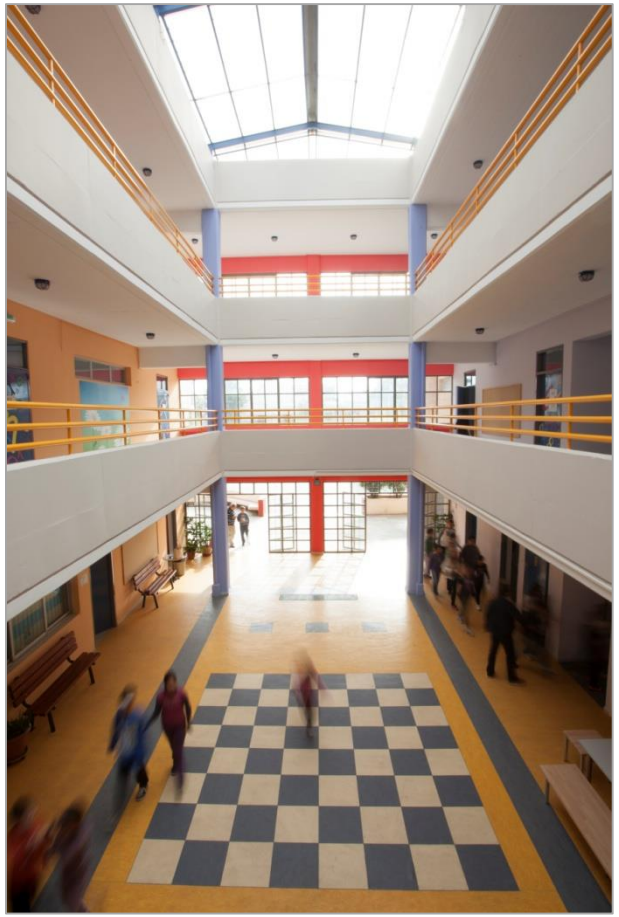


8th Primary School, Haidari | internal facades

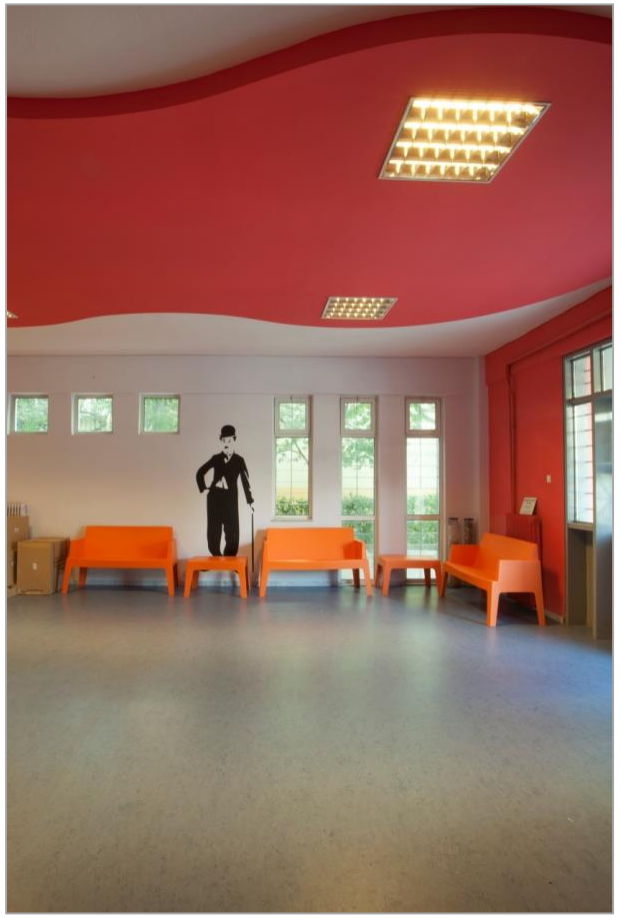


Upgraded schools' photos

Upgraded schools' photos_no 2



Upgraded schools' photos_no 3



Upgraded schools' photos_no 4

Upgraded schools' photos_no 5

Upgraded schools' photos_no 6

BEFORE

AFTER

Upgraded schools' photos_no 7

BEFORE

Upgraded schools' photos_no 7

AFTER

Upgraded schools' photos_no 7

BEFORE

Upgraded schools' photos_no 8

Q & As

Thank you for your attention! Any questions?

For more info contact Julie Velissaratou at jvelissaratou@ktyp.gr

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