

06 | NOTE

Roberto Palumbo

DOSSIER AND VIEWPOINT

14 | Ideas for a reflection on the environmental question

Ferdinando Terranova

24 | Michele Munafò, Interview by Alfredo Di Zenzo

29 | Alessandro Carfi, Editorial interview

33 | Alfredo Simonetti, Interview by Francesca Giofré

ESSAYS

35 | Forty years of environmentally conscious building technology design

Lorenzo Matteoli, Gabriella Peretti

44 | Environmental Design with regard to emergency and scarce resources: a few method reflections

Fabrizio Tucci

53 | Responsiveness, Adaptability, Transformability: the new quality requirements of the built environment

Filippo Angelucci, Michele Di Sivo, Daniela Ladiana

60 | Sustainability, culture and urban regeneration: New Dimensions for the Technological Project

Daniele Fanzini, Isabella Bergamini, Irina Rotaru

66 | Environmental innovations in the construction sector and life cycle approach

Andrea Campioli, Monica Lavagna

74 | Environment and development in Reconstruction Plans in L'Aquila territory

M. Cristina Forlani

81 | The Environmental Impact Assessment: a new tool for a new quality in ecological compliance

Maria Teresa Lucarelli

86 | The organizational model of the APEA for eco-friendly and competitive territorial governance

Paola Gallo

95 | Land and built environment resilience. Strategies and operational tools for prevention, mitigation and adaptation of fragile and sensitive contexts

Serena Baiani, Antonella Valitutti

101 | The Building sector commitment to promote the sustainability of construction products: a common European approach for the Environmental Product Performances

Caterina Gargari, Chris Hamans, M. Chiara Torricelli

110 | European and Italian experience of Smart Cities: a model for the smart planning of city built

Starlight Vattano

117 | The triumph of the smart city

Ilaria Oberti, Angela Silvia Pavesi

RESEARCH & EXPERIMENTATION

- 123 | **The quarries' landscape: environmental and productional valorization, between extraction and building**
Vincenzo Paolo Bagnato, Spartaco Paris
- 129 | **Innovation and sustainability in a cultural landscape**
Giovanna Franco
- 135 | **Green technologies for the environmental upgrading of infrastructures**
Alessandra Battisti
- 141 | **The construction of urban qualities. The case study of the centrality of Torre Spaccata in Rome**
Eliana Cangelini, Maurizio Sibilla
- 147 | **Grey to Green: 'ecotechgreen' an environmental response for urban infrastructures**
Oscar Eugenio Bellini
- 154 | **Integrated quality: a target for sustainable schools**
Ernesto Antonini, Andrea Boeri, Jacopo Gaspari, Danila Longo
- 162 | **From design to management: a benchmarking process for the energy efficiency of buildings**
Judith Kimpian, Paola Marrone, Lucia Martincigh, Dejan Mumovic
- 170 | **Procedural meta-models for architectural design praxis**
Gian Luca Brunetti
- 177 | **Life-cycle design for sustainable architecture**
Francesca Thiebat
- 184 | **Life Cycle Approach to designing, manufacturing and assessing a Living Wall System**
Roberto Giordano, Elena Montacchini, Silvia Tedesco

NETWORK SITdA

- 191 | Contributions from the Universities

SIT_{dA}

Società Italiana della Tecnologia
dell'Architettura

