

**INDONESIA
BUILDING
TECHNOLOGY
E X P O**

The 17th

IndoBuildTech Expo 2019

Indonesia's Largest Exhibition
of Building Material & Interior

20 - 24 March 2019

Indonesia Convention Exhibition (ICE)
BSD City, Indonesia

www.indobuildtech.com

ESTABLISHING ARCHITECTURE 4.0

ORGANISED BY :

SUPPORTED BY :



Establishing Architecture 4.0

IndoBuildTech Expo 2019 introduces a new architecture trend, namely “Establishing Architecture 4.0”. By having this new theme, IndoBuildTech Expo 2019 invite all industry stakeholders to prepare for upcoming technologies and advancement in architecture, design interior and building material. It is the high-time for businesses to consider for adopting a new wave of modern technologies, cutting-edge materials, and workforce enhancement.



Rise of Industry 4.0

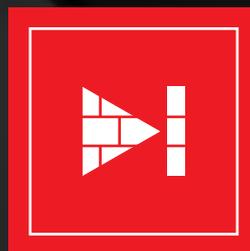
Building, Architecture and Interior Industry is on the cusp of another modern age. The fourth modern revolution, or ‘Industry 4.0’, will see the development coming in accordance with all the more digitally created enterprises and projects. This will change not just the paradigm on how physical structures are outlined, constructed and kept up, yet additionally how they are therefore utilized

What it implies as a general rule is available for interpretation along with the future capacities and capabilities. Some envision it will mean the utilization of next generation materials and innovations to create smarter buildings. Others imagine that it will come to mean of automated machine of creation, with negligible human information. Be that as it may, what is ordinarily concurred is that it speaks to the utilization of innovation to in a general sense enhance the way we outline and develop our general surroundings.

Architecture 4.0



Building Information Modelling



Next-Generation Building Material



Workforce 4.0

Next Generation Building Materials



Organic Insulation Material



Transparent Wood



Self-Repairing Concrete



Earthquake Resistant Bricks



Transparent Wood Application on Housing

Industry 4.0 expands into the world of building materials and evolves at a rapid rate. As economic and ecological concerns take a more prominent role in the build and interiors sector, manufacturers are creating ever more elegant solutions to resolve the sector's most pressing issues.

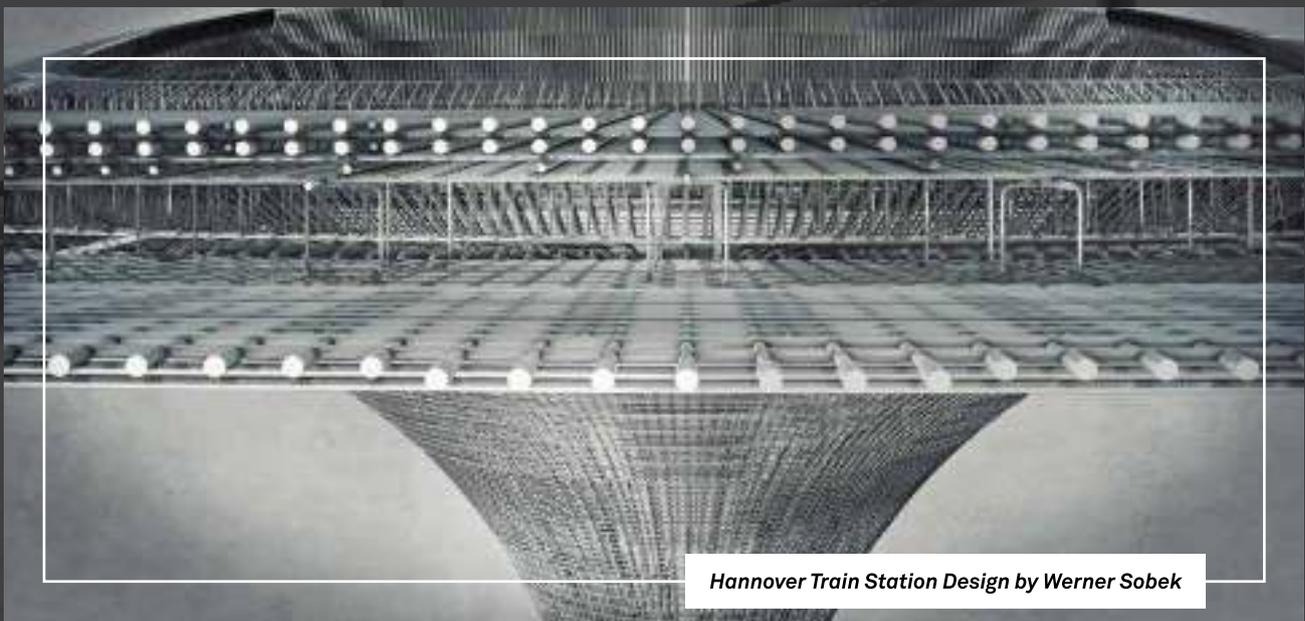
It's no longer enough for building materials to be only about design and aesthetic appeal. Increasing pressure on the building materials manufacturers to create strong products that are easy to install and improve the health and safety of building occupants and connect with and/or support a connected building's information management structure.

An example to be taken is transparent wood, which likewise turn into an alternative for conventional glass windows. A model home utilizing transparent wood for windows found that it better circulates light, wipes out glare and offers enhanced warm protection.

Self-healing concrete is a product that will biologically produce limestone to heal cracks that appear on the surface of concrete structures. Specially selected types of the bacteria, along with a calcium-based nutrient known as calcium lactate, and nitrogen and phosphorus, are added to the ingredients of the concrete when it is being mixed. These self-healing agents can lie dormant within the concrete for up to 200 years.

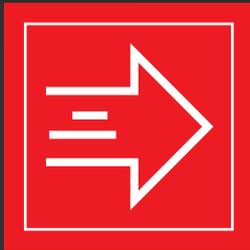
Building Information Modelling

Better accessibility of important data, quick issue determination and cooperation in creating the outline, development and operational activity are among the key subjects by which digitalization is enhancing architectural effectiveness and asset utilization. At a worldwide level, one practice that is characterizing which enhancements in building and construction industry are conceivable without a moment's of hesitation through accessible computerized devices and practices architectural effectiveness Building Information Modelling (BIM).



Hannover Train Station Design by Werner Sobek

10 Benefits of BIM



Speed



Simulating Design



Minimize Error



Reduce Request for Information



Spatial Awareness

Retention of Design



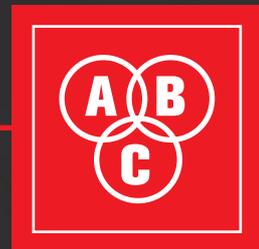
Full Coordination



Design Variation



Holistic Design Approach



Detailed Design



Workforce 4.0

With the adjustment in workplace and assignments anticipated that would be done by laborers, the ability required will likewise change. These new ranges of abilities won't supplant the current ranges of abilities. Or maybe, these new abilities will be required notwithstanding the aptitudes that are critical in current situation. Center business related abilities can be grouped into 3 classifications and 9 sub-classifications.

Serving Role Workforce

- > Easy Tasks
- > Repetitive Tasks
- > Watch & Call
- > Standardization



Data Driven Role Workforce

- > Monitoring of Machines
- > Error Detection
- > Decision Making
- > Preventive Maintenance

Talented workforce will have the chance to partake in more prominent errand assortment and will never again be related with just a single specific sort of employment. There will be a huge diminishment in repetitive and ergonomically difficult occupations. Workers should impart the space to keen robots. Right hand frameworks will bolster work altogether yet a ultimate conclusions must be made by talented representatives. Collaboration will be focal, all through the even and vertical levels, as well as at the real working spot with appropriate frameworks.



1. Knowledge About ICT

- > Basic Information Communication & Technology knowledge.
- > Ability to use and interact with computers and smart machines like robots, tablets etc.
- > Understanding machine to machine communication, IT security & data protection.



2. Ability to Work With Data

- > Ability to process and analyze data and information obtained from machines.
- > Understanding visual data output & making decisions.
- > Basic statistical knowledge.



3. Technical Know How

- > Inter-disciplinary & generic knowledge about technology.
- > Specialized knowledge about manufacturing activities and processes in place.
- > Technical know-how of machines to carry out maintenance related activities.



4. Personal Skills

- > Adaptability & ability to change.
- > Decision making.
- > Working in team.
- > Communication skills.
- > Mindset change for lifelong learning.

More Focus Less Focus

The Venue

JL. BSD GRAND BOULEVARD, BSD CITY
TANGERANG 15339 – INDONESIA



ICE – BSD (www.ice-indonesia.com) - The biggest new venue in Indonesia with the world-standard venue facilities for exhibitors and visitors with more advantages and benefits, is a prime landmark of Bumi Serpong Damai (BSD) which is Indonesia's biggest new city development.

BSD City is the Indonesian home city of German Center and International Trade Center (ITC) BSD, BSD Plaza, BSD Junction, complete community with businesses, schools, shopping malls, hospitals and hotels. International chain stores include Lottemart, Giant, Hypermart, Carrefour, AEON, and IKEA.

Greater areas of BSD City covers modern suburban middle-upper residences of Lippo Karawaci, Summarecon, Gading Serpong, Bintaro Jaya, Modernland and Alam Sutra.



Product Zoning

Product Zoning establishes a greater extent of promising opportunities for the exhibitors. Visitors in need of specific product will go directly to the zone of interest and ensuring the right visitor are effectively approached and proposed by the exhibitor.

BUILDING MATERIAL & EQUIPMENT - Hall 3A, 5 & 6

Building Chemicals & Treatment

- Adhesive
- Admixture
- Compound
- Sealant
- Waterproofing Material

Building Automation

- Automated & Centralized Energy Management System
- Automatic Doors
- Building Management Systems
- Digital Automation System
- Elevators
- Escalators
- Hydraulic Systems & Components
- Operating Mechanism
- Structural Analysis Software
- Travelators

CCTV, Safety & Security Solutions

- Access Control
- Alarm System
- Biometrics
- CCTV & Monitoring
- Detectors

- Fire Protection & Prevention Devices
- Safe & Strong Rooms

Cement & Concrete

- Bricks & Blocks
- Cement
- Drymix
- Fibre-cement
- Precast Concrete
- Translucent Concrete

Electrical & Mechanical Components

- Cable Equipment
- Conductors
- Domestic Installation Equipment & System
- Electric Drive Devices
- Energy-saving Equipment
- Fiber-optics
- High-voltage Equipment
- Low-power Circuitry
- Power Distribution

Hardware & Tools

- Fixtures
- Hand Tools
- Handling Equipment
- Kit Boxes
- Ladders
- Metering & Measuring Equipment
- Power Tools
- Safety Equipment & Wearables
- Work Benches

HVACR

- Air Handling & Distribution System
- Air-Conditioning Solutions
- Chillers
- Refrigeration System
- Solar Panels
- Temperature & Air Monitoring System
- Temperature & Air Regulators
- Testing Instruments
- Thermal Insulations

Plumbing & Water Technologies

- Drainage System
- Flexible Pipes
- Pipe & Fittings

- Pumping Systems
- PVC Pipes
- Swimming Pools
- Waste Management System
- Water Boiler & Cooling Systems
- Water Management System
- Water Purification System
- Water Tanks
- Water Treatment Plants & Equipment

Roofing

- Canopies & Awnings
- Mansard Roof
- Roof Sheet
- Roof Tiles
- Shingles

Building Information Modelling

- Architecture & Design Software
- Structural Analysis
- Sustainability Management
- MEP Software
- Analysis, Simulation & Estimation Software
- Facility Management Software

ARCHITECTURE FUNDAMENTALS - Hall 7 & 8

Architectural Glass

- Decorative Glass
- Film & Tinting
- Glass Block
- Glass Facade
- Glass Processing Equipment
- Glazing Materials
- Reinforced Glass
- Sheet Glass

Covering & Laminates

- Continuous Pressure Laminates
- High-pressured Laminates
- Veeners
- Wallpaper Adhesives
- Wallpapers & Covering

Doors, Windows & Locks

- Aluminium Doors & Windows

- Closer
- Doors & Windows Fitting
- Doors & Windows Profile
- Extrusions
- Interior & Exterior Doors
- Knobs & Handles
- Letter Boxes
- Locks & Hinges
- Revolving Doors
- Skylight Windows
- UPVC Doors & Windows
- Weather-strips
- Windows Assembly Equipment & Tools
- Windows Sills
- Wooden Doors & Windows

Decking & Flooring

- Carpet

- Floor Board
- Gripper Rods
- Industrial Floors
- Skirting Boards, Inserts & Strips
- Special Flooring
- Under-laying Materials
- Wood Flooring

Facade & Exterior

- Cladding
- Double Facades System
- Façade System & Components
- Garage, Factory & Hinged Gates
- Tollgates
- Ventilated Facades

Paints & Coatings

- Ceramic Colors & Glazes

- Exterior Paints
- Interior Paints
- Protective Coating
- Tint & Varnishes

Panels & Partition

- Acrylic Panels
- Aluminum Composite Panel
- Ceiling Materials
- Gypsum Boards
- Sandwich Panels

Stairs & Railings

- Banisters
- Metals Stairs & Railings
- UPVC Stairs & Railings
- Wooden Stairs & Railing

DESIGN & DECOR ESSENTIALS - Hall 9 & 10

Ceramics

- Ceramic Tile
- Ceramics Adhesives & Grouts
- Ceramics Decorative Trim
- Ceramics Handling & Manufacturing Solution
- Drying, Firing & Heating Unit
- Fireplace
- Mural
- Pressing, Forming & Casting
- Sculpture

Home & Living Furniture

- Accents
- Bedroom
- Dining Room Furniture
- Patio Set
- Seating
- Storage
- Table
- Living Room Furniture

Household Appliances

- Communication Device
- Electronic
- Entertainment
- Washing & Drying

Interior Finishes & Decorative

- Border
- Curtain
- Decals
- Decorative Textile
- Finishing Fabric
- Metal Decorative
- Mosaic
- Mural
- Plastic Decorative
- Roller Blind
- Shutter
- Upholstery
- Window Covering

Kitchen & Bathroom

- Bathroom Furniture
- Bathtubs & Whirlpool
- Kitchen Accessories
- Kitchen Furniture
- Microwave & Grill
- Shower Cubicles & Unit
- Sinks & Washbasin
- Taps & Mixer
- Toilets
- Waste Disposal
- Worktops

Lighting

- Control & Automation System
- Downlight
- Lamps
- LED Systems
- Outdoor & Indoor Lighting
- Project Lighting Fixture
- Spotlight

Marbles & Stones

- Exterior Stone
- Granite
- Interior Stone
- Marbles
- Natural Stone Treatment
- Onyx
- Quartz

Garden & Landscaping

- Arches & Arbor
- Gates & Fence
- Landscaping Stone
- Path & Driveway
- Ponds
- Trellise

The Business Programme



A regular agenda of IndoBuildTech, extensive business programme are available for exploring ideas, generating insight and networking opportunities. Everyday during the exhibition, the participant may choose for more than 90 Business Programme, starting from seminars, conference, and product presentation, presented and promoted by exhibitors, guest experts, professionals, government, and industry association.

PRODUCT PRESENTATION

■ Building Material & Equipment

Presenting the applications of new technological innovations of building material & equipment into modern building and infrastructure projects. All featured products are available at the exhibition for business deals.

■ Architecture Fundamental

Each presentation puts highlights on added values, advantages and new features into architectural viewpoint, namely product design, shape, materials, and evenly for indoor and outdoor utilization.

■ Design & Decor Essential

Extensive product knowledge and conceptual direction are delivered first-hand to the audience to match the aspects of Unity, Harmony, Balance, Focal Point, Rhythm and Details of Design & Decor.

- 69 Business Program
- 40 Session of Product Presentation
- IndoBuildTech Nite
- Indonesia Smart Nation Award (ISNA) 2019
- IndoBuildTech Architecture Firm Forum: "Women Inspiration in Architecture Firm"
- Workshop Airport Terminal Design and Management

Sponsorship Packages

IndoBuildTech Expo is proud to present the exhibitor with exclusive opportunities for sponsoring the exhibition. The sponsorship packages are design to drive the branding and corporate image exposure across vast audiences of potential visitors during and before the show days. Each package will surely bring in immense benefit and added values for the exhibitors of IndoBuildTech Expo



Lanyard



Goodie Bag, Ballpoint & Show Catalogue



Mineral Water



Tabloid



Billboard



Hall Gate



Main Gate



Registration Counter



Hanging Banner

Co-Located

The 4th

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The Trade Show for National Transportation Development

www.indoconstech.com



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ACCELERATING INFRASTRUCTURE PRODUCTIVITY

The 1st

IFME 2019

Integrated Smart Building & Facilities Management Exhibition

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20 - 24 March 2019

Hall 3, Indonesia Convention Exhibition (ICE) BSD City, Indonesia

INTEGRATING SMART SOLUTIONS INTO THE WORLD

The 4th

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PT. Debindo International Trade and Exhibitions

Jl. KH. Abdullah Syafei No.9 (G9)

Jakarta 12840, Indonesia

P : (+62-21) 83797401, 83797404-06, 83797408-11

F : (+62-21) 83797402, 83797412

E : debindo-ite@cbn.net.id

CONTACT PERSON

- Didik, +62 81311050189, didik@debindo-ite.com
- Alfin, +62 818192270, alfin@debindo-ite.com
- Nia, +62 8159412337, nia@debindo-ite.com
- Bintang, +62 8129491758, bintang@debindo-ite.com
- Surya, +62 87821311567, surya@debindo-ite.com
- Ike, +62 812 8720 3937, ike@debindo-ite.com
- Ridwan, +62 87770155886, ridwan@debindo-ite.com
- Sakanti, +62 856 917 71783, sakanti@debindo-ite.com