



"IFHE Role in planning and Management of Hospital Facilities in the Covid-19 Endemic and Industrial Revolution 4.0 Era"

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Hospital Engineering Forum 2021 Indonesian Association Hospital Engineering



Curriculum Vitae

Name: Briseyda Reséndiz

Architect by the Metropolitan Autonomous University (UAM), she studied the Specialization in Planning and Design of Health Care Units at the Nattional Autonomous University of Mexico (UNAM); Since 2017 she has the certification in Design of Units for Health, by the Mexican Association of Specialized Health Architects, (SMAES) and the College of Mexican Architects and the Society of Mexican Architects (CAM-SAM). Since 2007 she has worked in the development and coordination of Executive Projects of Health Care Units, for the public and private initiative.

She is the representative of Mexico and ExCo member of the International Federation of Healthcare Engineering (IFHE).

She currently chairs the Mexican Association of Specialized Health Architects and serves as director of the firm Grupo Artedi.

OUTLINE

- **1.** IFHE
- **2.** IFHE & WHO / Covid -19
- **3.** COVID and the ¿Industrial revolution 4.0 Era?

IFHE

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- Who we are? & Porpuse,
- Objetives,
- Philosophy,
- Values,

- Worldmap,
- Publications

Who we are? & Porpuse



IFHE Council Meeting 41 20Th Congress Barcelona 2008 • The International Federation of Healthcare Engineering (IFHE) is a non-profit, non-governmental body established in 1970 to enable national engineering professional organizations to join in a world-wide federation.

• IFHE encourage and facilitate exchange of information and experience in the broad field of hospital and healthcare facility design, construction, engineering, commissioning, maintenance, and estate management.







Who we are? & Porpuse



Membership of IFHE has spread to over - 48 countries embracing some

A Members 36 Countries

B Members 10 Individual Associates

C Members 1 Institutional Member

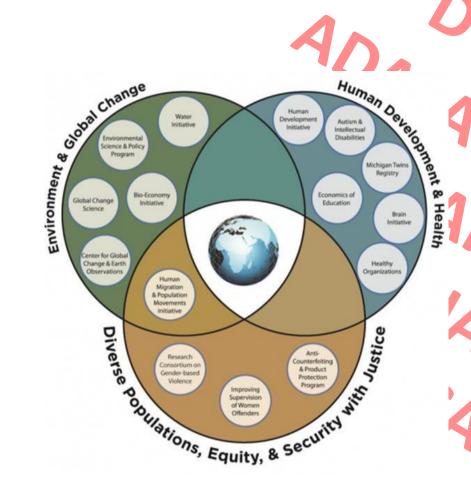
D Members 3 Company Affiliate Members

E Members 8 Honorary Members i.e. Past

Presidents and those who have given special service to IFHE.

5-20 thousand persons. Almost only decisionmakers

• In addition to national healthcare engineering organizations, IFHE also admits as members: governmental institutions, corporate consultants, commercial and industrial firms, as well as individuals or small groups of interested persons.







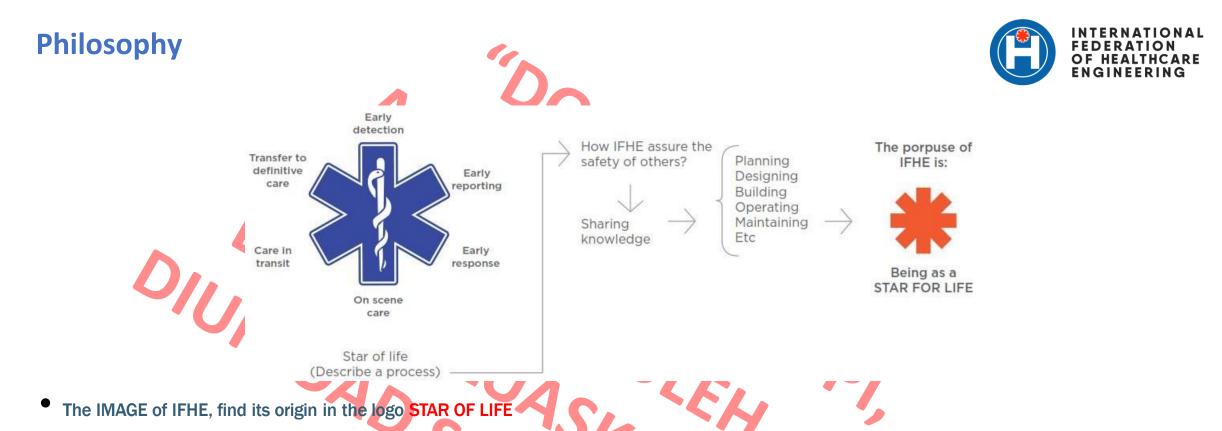
Promote a better efficiency in the management of safety, maintenance and operation of hospitals in its buildings, equipment, facilities and engineering

• Offer a collaboration with other international organizations.

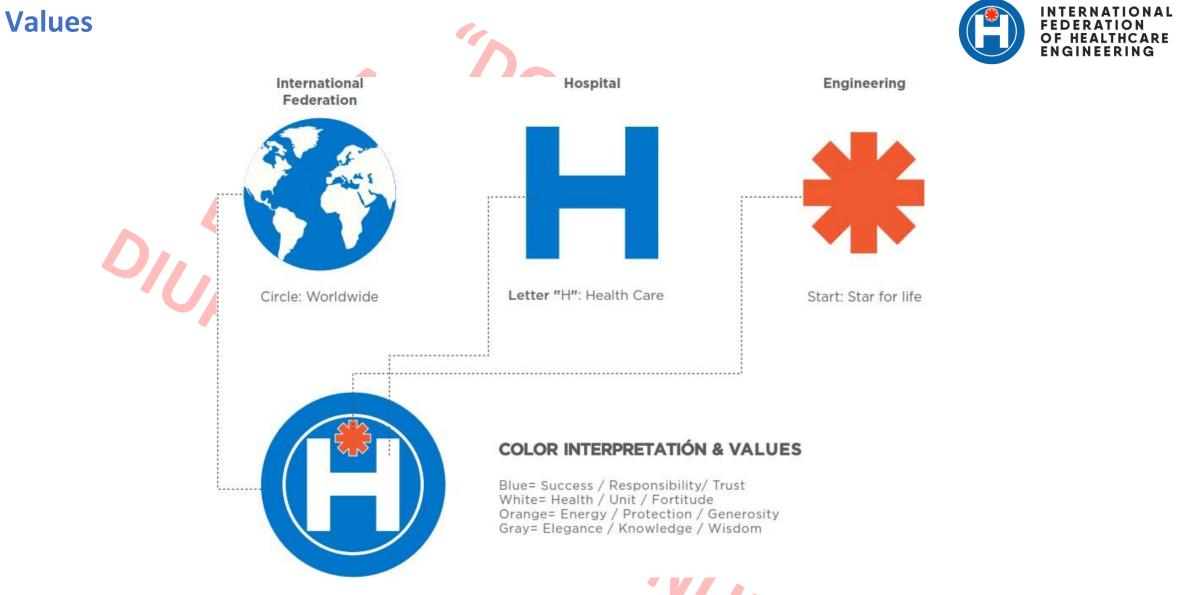
IFHE Council Meeting 43 22Th Congress Norway 2012



Objetives



- Traditionally the logo was used as a stamp of authentication or certification for ambulances, paramedics or other EMS personnel. Internationally, it represents emergency medical services units and personnel.
- Originally, many ambulances used a safety orange cross on a square background of retroreflective white to designate them as emergency vehicles. This logo was used before national standards for Emergency Medical Personnel or ambulances were established.
- Safety orange . Safety orange is used to set objects apart from their surroundings, particularly in complementary contrast. Most places, such as construction sites, use safety orange to help ensure the protection of others.



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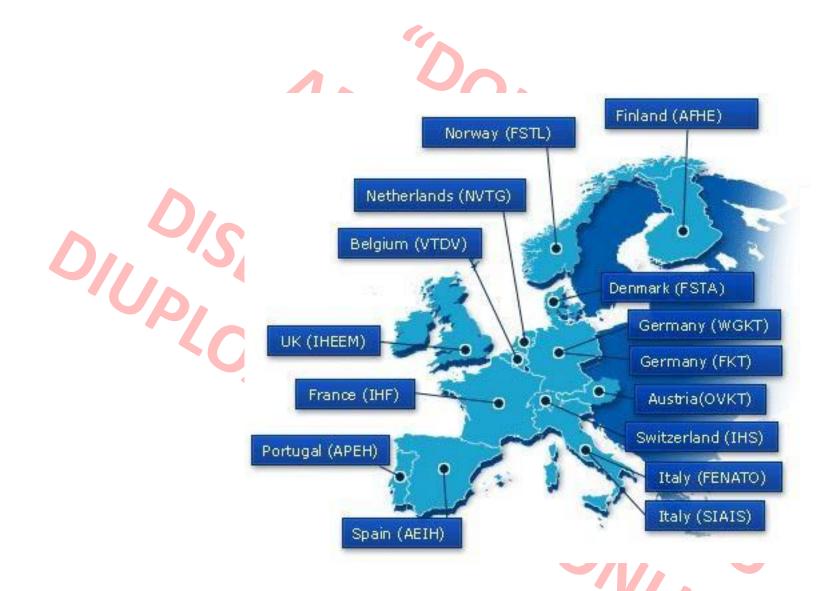


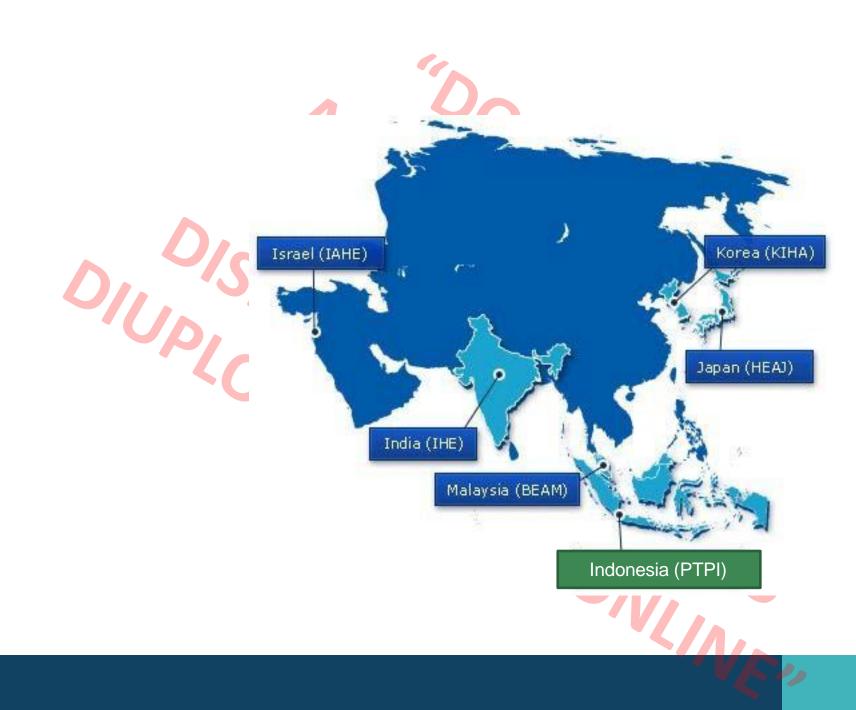


















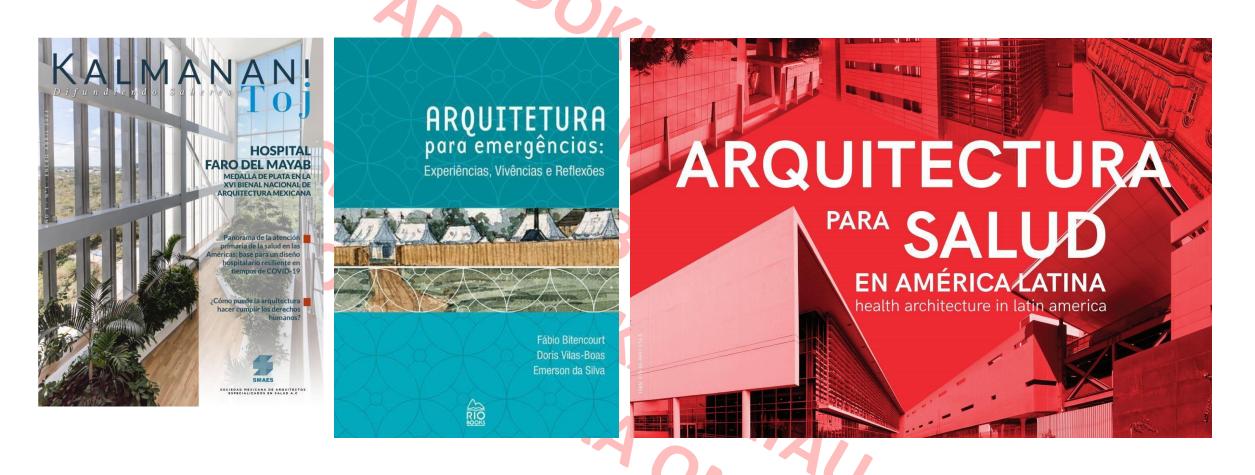
Publications (among other)





Publications (among other)





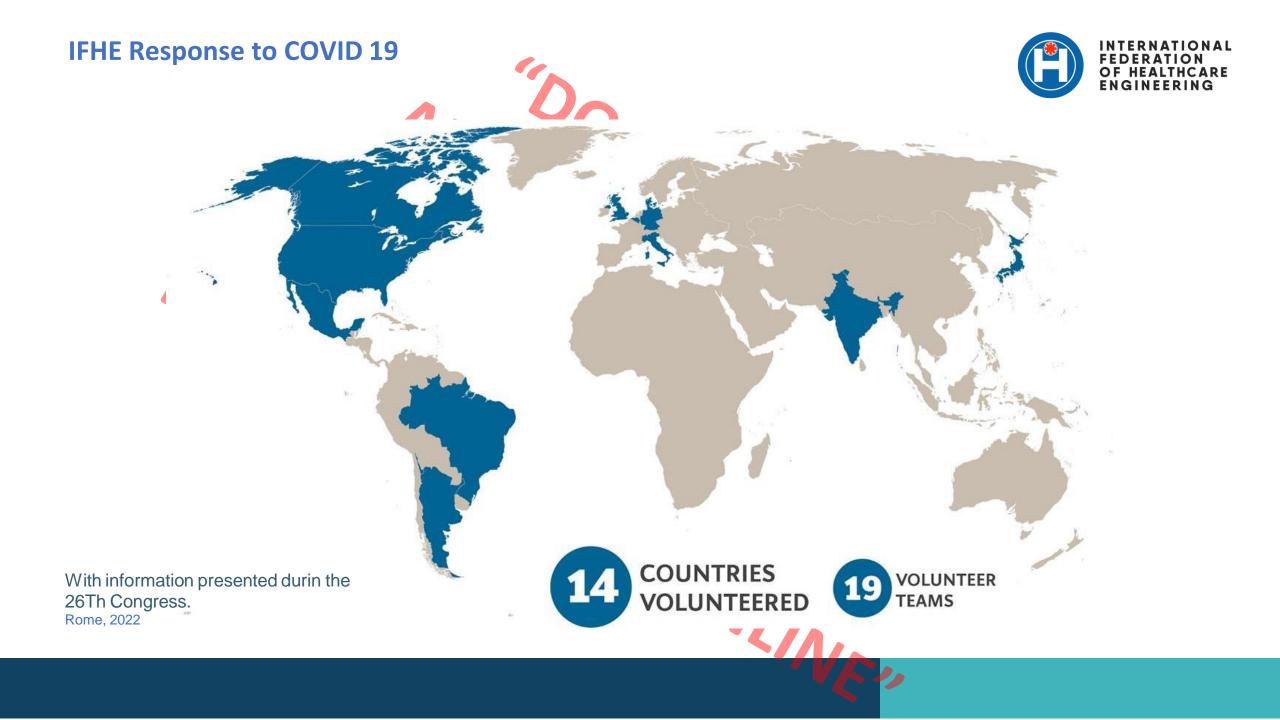
Collaboration with other international organizations

• IFHE & WHO - Techne

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"Dokumen ini adalah milik PTPI, tidak boleh disebarluaskan atau diupload secara online"









Techne

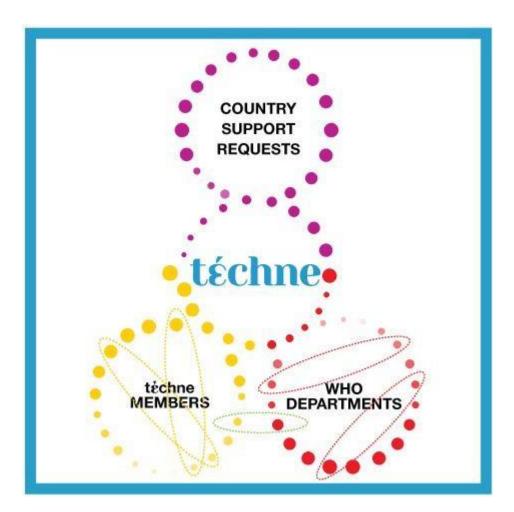


• WHO network of architects, engineers, designers and public health practitioners from several institutions globally, that responds and prepares to acute public health events with urgent and customized support.



Techne – Model of work





- Matching services to needs
- Addressing country requests with network-based technical support.





- April / May 2020
- Dedougou, Burkina Faso
- IFHE Team from US
- WHO country and regional office

With information presented durin the 26Th Congress. Rome, 2022

Challenge

COVID-19 treatment ward within the existing healthcare facility



With information presented durin the 26Th Congress. Rome, 2022

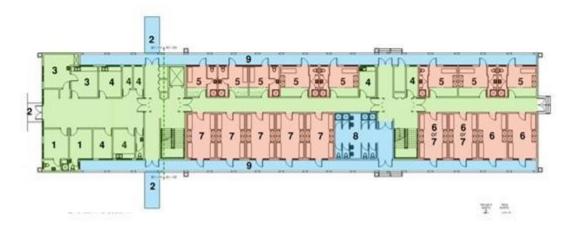




RNATIONAL FEDERATION OF HEALTHCARE EN ERING

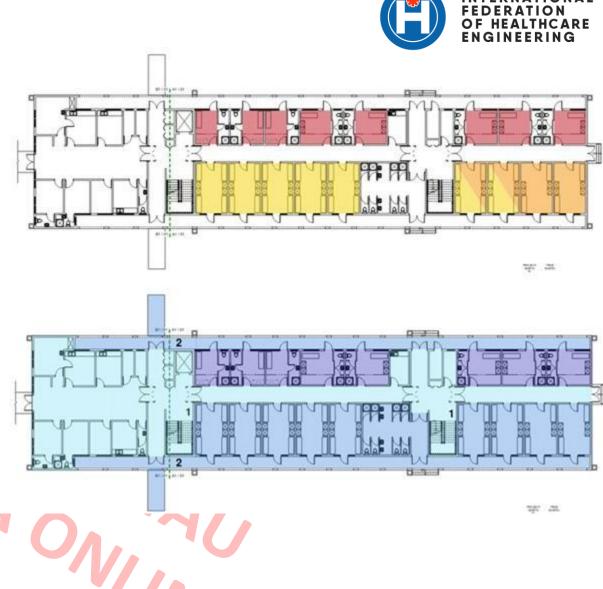
Facility functioning

Flows (Patients, Visitors, Staff) Personal Protective Equipment Areas categorization



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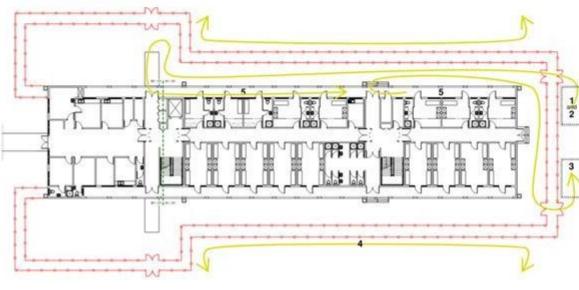
With information presented durin the 26Th Congress. Rome, 2022





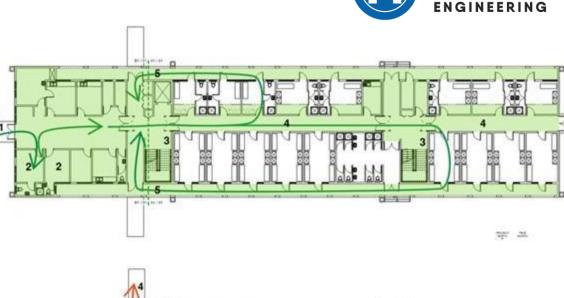
Facility functioning

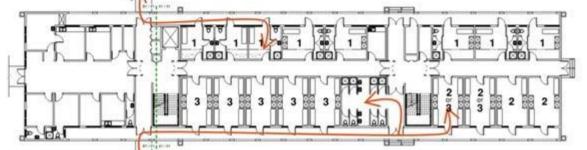
Flows (Patients, Visitors, Staff) Personal Protective Equipment Areas categorization



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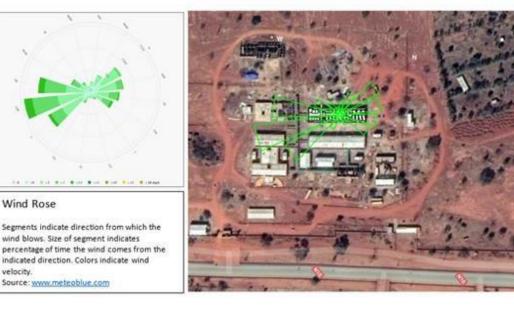






Ventilation

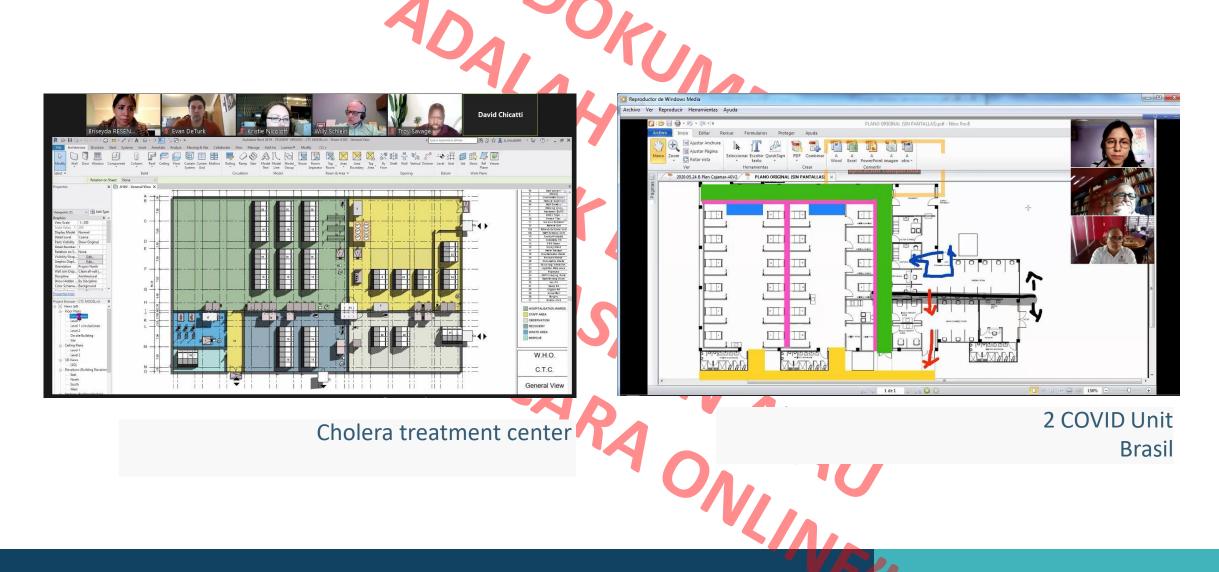
Strategies to control the airflow direction and to assure the minimum ventilation rate according to WHO standards.



With information presented durin the 26Th Congress. Rome, 2022







WHO – IFHE SMAES



The impact by the #s...

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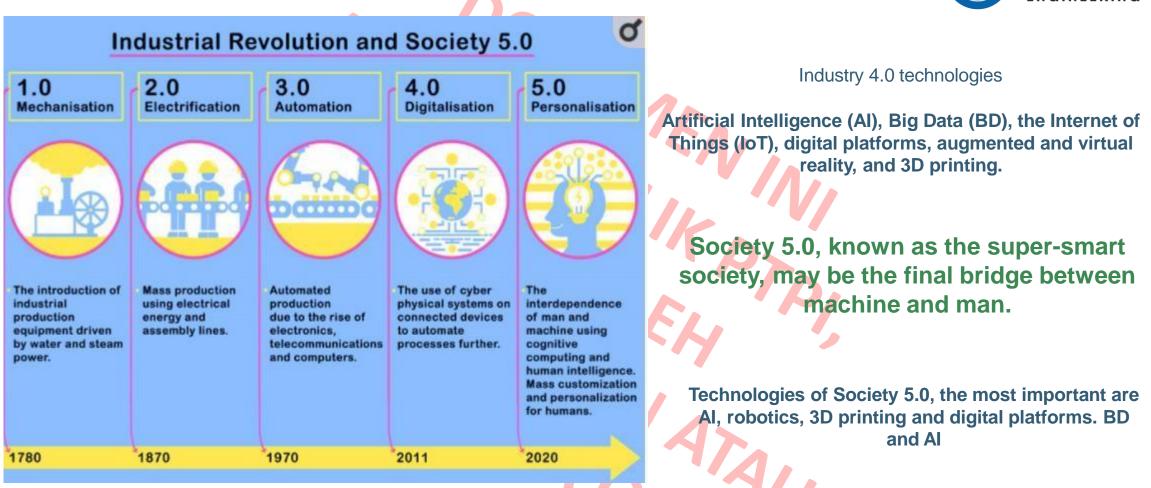


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¿Industrial revolution 4.0 Era?

- Executive Committee 2020-2022,
- Worldmap,
- Publications





https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7931290/

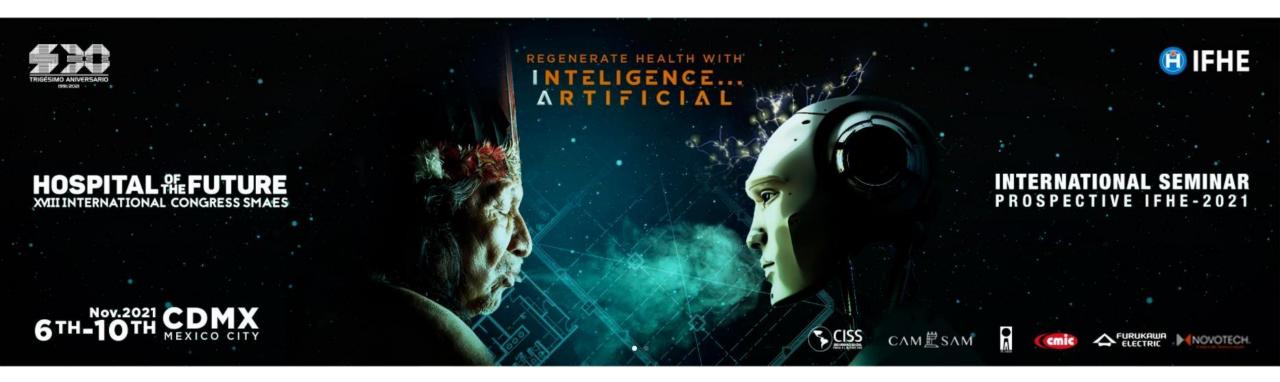
Indonesian Association of Hospital Engineering – Hospital Engineering Forum

CONCLUSION

- It is our duty to share knowledge to face the challenges that health systems demand of us.
 - Cross-cutting collaboration between all stakeholders, in a multidisciplinary way, will promote the optimization and better investment of resources for health issues
 - The great challenge is incorporating technologies to reduce risks and humanize treatments. We must understand technological implementations, such as tools for risk reduction and humanization of treatments







http://congreso2021.smaesac.org

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Thank You