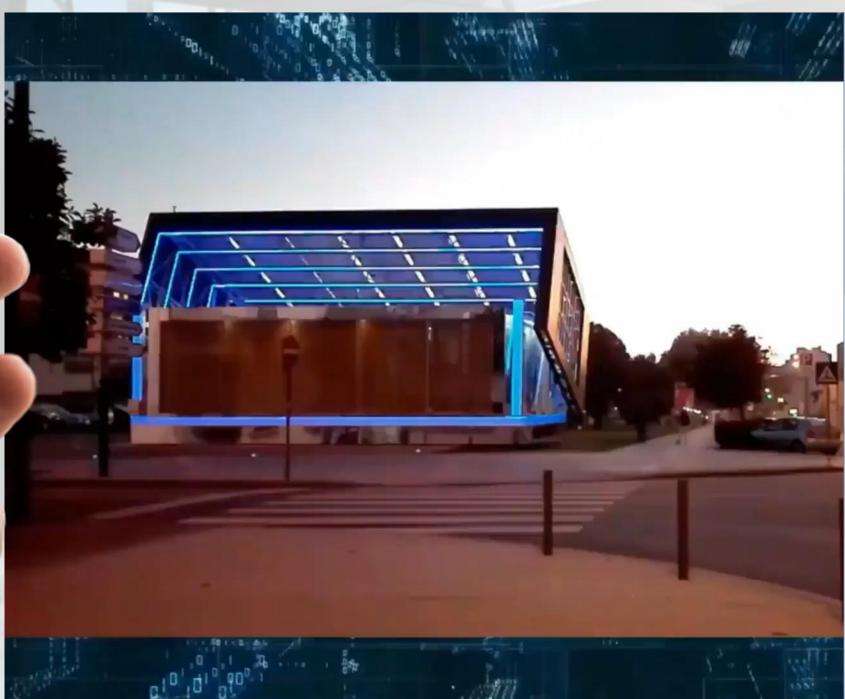


Casas Em Movimento









Casas Em Movimento is a Portuguese company (Spin-off of the Faculty of Architecture of the University of Porto), with a worldwide patented technology, that designs, licenses the technology, and markets Buildings In Motion: and innovative energypositive buildings that integrate:

- Kinetic Architecture,
- Passive Solar Architecture,
- Smart Architecture
- and much more!...



Casas Em Movimento Our Path

2024/25

CEM VL 400 (Luxury)





- Founded by Manuel Vieira Lopes, architect;
- More than 10 years dedicated to Research, Development, and Technological Demonstration;
- Technology patented on all continents;
- Positive-Energy building (100% green energy);
- Artificial Intelligence;
- More than 3 million euros invested:
 - ✓ European Funds (R&D)
 - ✓ Private investment
 - ✓ Sponsors | Partners (NORD, BOSCH, IBERDROLA, METALOVIANA, etc.)

2024/25

Portugal / Norway



2023 Viana do Castelo (PT2020 = 97,57%)

> 2021 Matosinhos (Iberdrola)

2017 Matosinhos Living Lab

2015 Porto I&DT (QREN)

2012 Madrid Solar D Europe















Casas Em Movimento Patented Technology





	Country / Region	
	Germany	Patent Validated.
	Angola	Patent Pending.
	Australia	Patent Validated.
	Belgium	Patent Validated.
	Brazil	Patent Validated.
	Canada	Patent Validated.
	Chile	Patent Validated.
	Chine	Patent Validated.
	Denmark	Patent Validated.
	Emirates	Patent Validated.
	Spain	Patent Validated.
ij	USA	Patent Validated.
	Finland	Patent Validated.
	France	Patent Validated.
	Hong-Kong	Patent Validated.
	India	Patent Validated.
	Ireland	Patent Validated.
	Italy	Patent Validated.
	South Korea	Patent Validated.
	Luxembourg	Patent Validated.
	Macau	Patent Validated.
	Mexico	Patent Validated.
	Mozambique	Patent Pending.
	Monaco	Patent Validated.
	Norway	Patent Validated.
	New Zealand	Patent Validated.
	OAPI (Benin, Burkina Faso, Cameroon, Chad, Ivory Coast, Gabon, Guinea, Equatorial Guinea, Guinea-Bissau, Mali, Mauritania, Niger, Central African Republic, Republic of Congo, Senegal and Togo)	Patent Validated.
	Netherlands	Patent Validated.
	Portugal	Patent Validated.
	United Kingdom	Patent Validated.
	Sweden	Patent Validated.
	Switzerland / Lichtenstein	Patent Validated.



EUROPÄISCHES PATENT | EUROPEAN PATENT BREVET EUROPÉEN

Hiermit wird bescheinigt, dass für die in der Patentschrift beschriebene Erfindung ein europäisches Patent für die in der Patentschrift bezeichneten Vertragsstaaten erteilt worden ist.

It is hereby certified that a European patent has been granted in respect of the invention described in the patent specification for the Contracting States designated in the specification.

Il est certifié par la présente qu'un brevet européen a été délivré pour l'invention décrite dans le fascicule de brevet, pour les États contractants désignés dans le fascicule.

European patent No. Brevet europäen n^o Tag der Bekanntmachung des Hirweises auf die Eneilung des europäischen Parents

Date of publication of the mention of the grant of the European parent

Date de la publication de la mention de la delivrance du preest européen

EP2891751

03.08.2022

AUTOMATED STRUCTURE FOR RECEPTION OF MODULAR CONSTRUCTIONS, AUTOMATION SYSTEM AND OPERATING METHOD THEREOF

Patentinhaber | Proprietor(s) of the patent | Titulaire(s) du brevet

CASAS EM MOVIMENTO, LDA.
Rua Amaro Lopes, no. 30 r/chão
Dto.
4440-766 Valongo

António Campinos

Präsident des Europä schen Patenzants | President of the European Patent Office | Président de l'Office européen des brevets Münichen, den | Munich, | Munich, le 03.08.2022

URKUNDE | CERTIFICATE | CERTIFICAT



Casas Em Movimento Awards & Validations







Solar Decathlon Europe

€100,000 prize at Solar Decathlon Europe, the largest Innovative and Sustainable Construction event, in Madrid (2012)



Innovation Award from the University of Porto

Award presented by UP in recognition of the Innovative and Excellence nature of the Casas Em Movimento project



Born From Knowledge

Attribution of the Born From Knowledge Award by the National Innovation Agency.



Green Project Awards

Attribution of the Sustainable Cities and Mobility Award, presented at the Green Project Awards Ceremony.



Most Incredible Home - Facebook

Winners of 'The Most Incredible Home' Vote, Held for Facebook Original Documentary



Chambre de Commerce et industrie Franco-Portugaise

Innovation Award from the Franco Portuguese Chamber of Commerce and Industry



National Innovation Agency - Certification

Recognized by the National Innovation Agency as a company dedicated to Research and Development activities



Siza Vieira (Pritzker Architect)

This Project Should Be Explored From a Market Perspective!



Souto Moura (Pritzker Architect)

The World Asks For It, And We Are Pioneers!



Nuno Portas

A Smart Home for Smart People



Web Summit

Remote Control of the House in Motion Matosinhos From Web Summit



The Circle Spin-Offs

The only Spin-off of the Faculty of Architecture of Porto University



Home of the Future - BBC

Distinguished as the "Home of the Future" by the BBC



New European Bauhaus

1 of 14 winners (out of more than 100 European applications) within the scope of the New European Bauhaus

Casas Em Movimento R&D Timeline



Construction Process ->





Programa: PT2020 Nº Projeto: 45.434

NUP: NORTE-01-0247-FEDER-045434
Promotor: CASAS EM MOVIMENTO LDA

Nº da Formalização: 7 Sentido: Favorável Data da Decisão: 2024-01-19 Competência: IAPMEI

Autor: IAPMEI

Decisão: Aprovado nos termos da proposta

Detalhe do Pagamento
Nº do Pedido de Pagamento: 5
Despesa Certificada: 1.109.749,24

Fundamentação do Sentido:

AVALIAÇÃO DA EXECUÇÃO MATERIAL DO PROJETO

A CASAS EM MOVIMENTO LDA, enquanto spin-off do projeto Lidera da Universidade do Porto, como objetivo de criar uma «arquitetura viva, com uma composição plástica integrada e uma diversidade espacial forte» que se adaptasse à dimensão dos espaços à rotina de quem usa esses espaços, e que tivesse o Sol como fonte de energia e referência do movimento.

O Pedido de Pagamento Final em apreço, que reporta um grau de realização de 97,57%, foi submetido em 29/09/2023. Considerando a data de conclusão do investimento, ocorrida em (30/06/2023) esta submissão foi efetuada dentro do prazo legal estabelecido para o efeito.

Conclusion
of the
Research &
Development
Project
PT2020

Achievement rate = 97.57%

Our Vision – Different Market Segments







Resort In Motion... The Resort of the Future







Show case for the world:		
Nº of Buildings	50	
Solar Production	800 000 KWh/year	
Reduction of CO2 Emissions	500 tons/year	
Expected Consumption	135 000 KWh/year	
EVs' Consumption	200 000 KWh/year	
Surplus for use in the Resort	465 000 KWh/year	
Values for Portugal		



Resort In Motion... The Resort of the Future

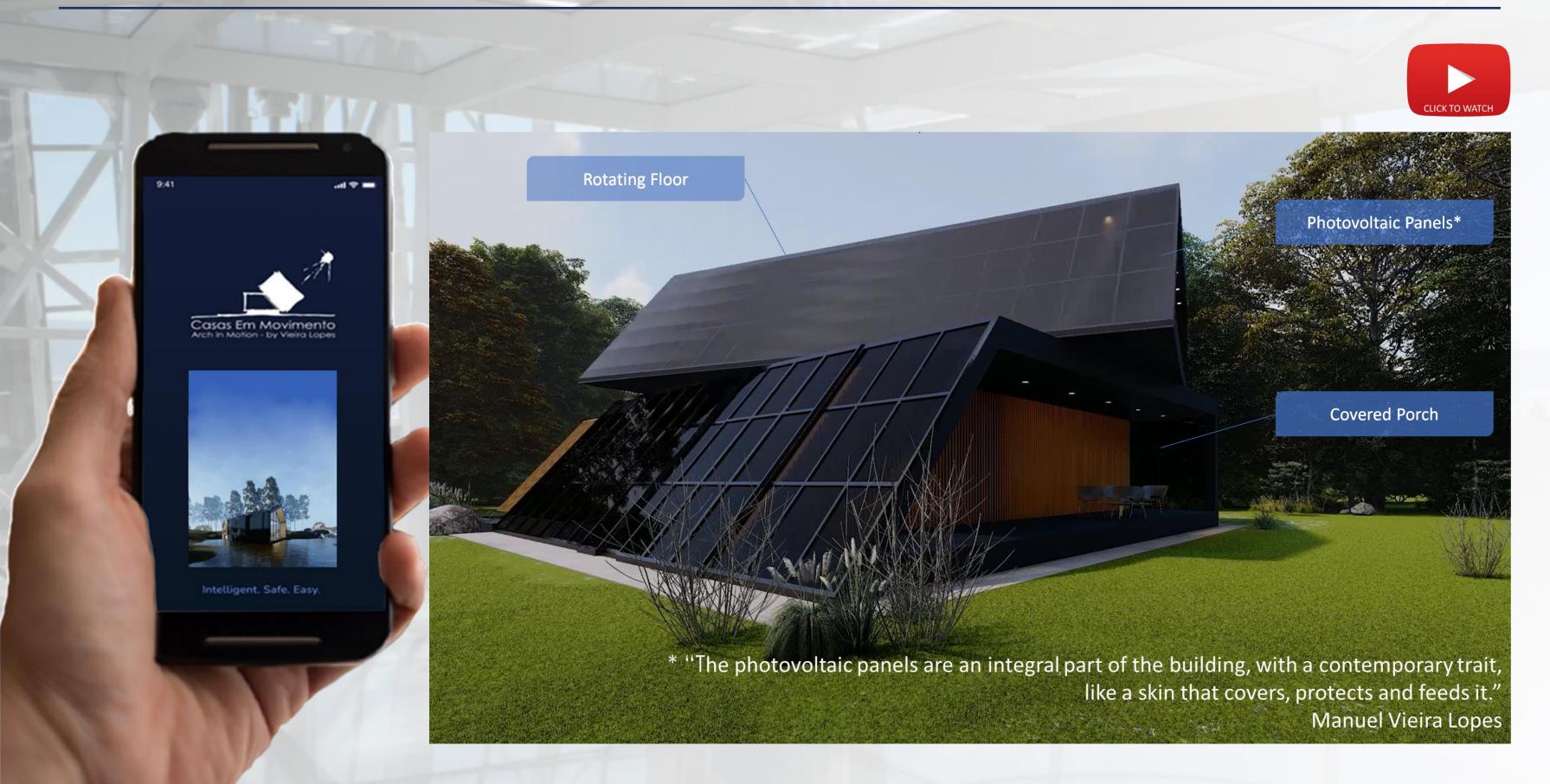






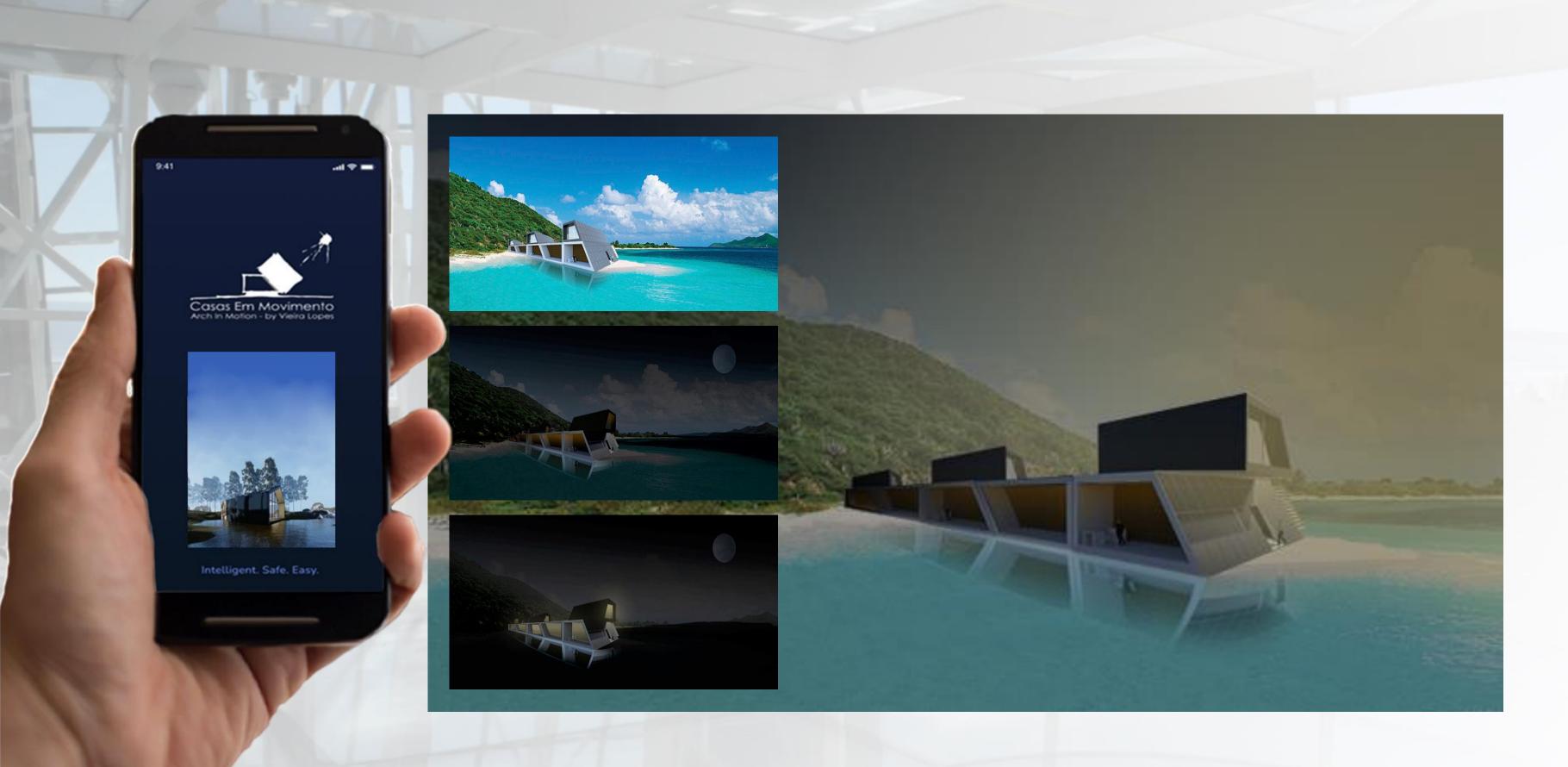
Houses In Motion for the World





Houses In Motion for the World





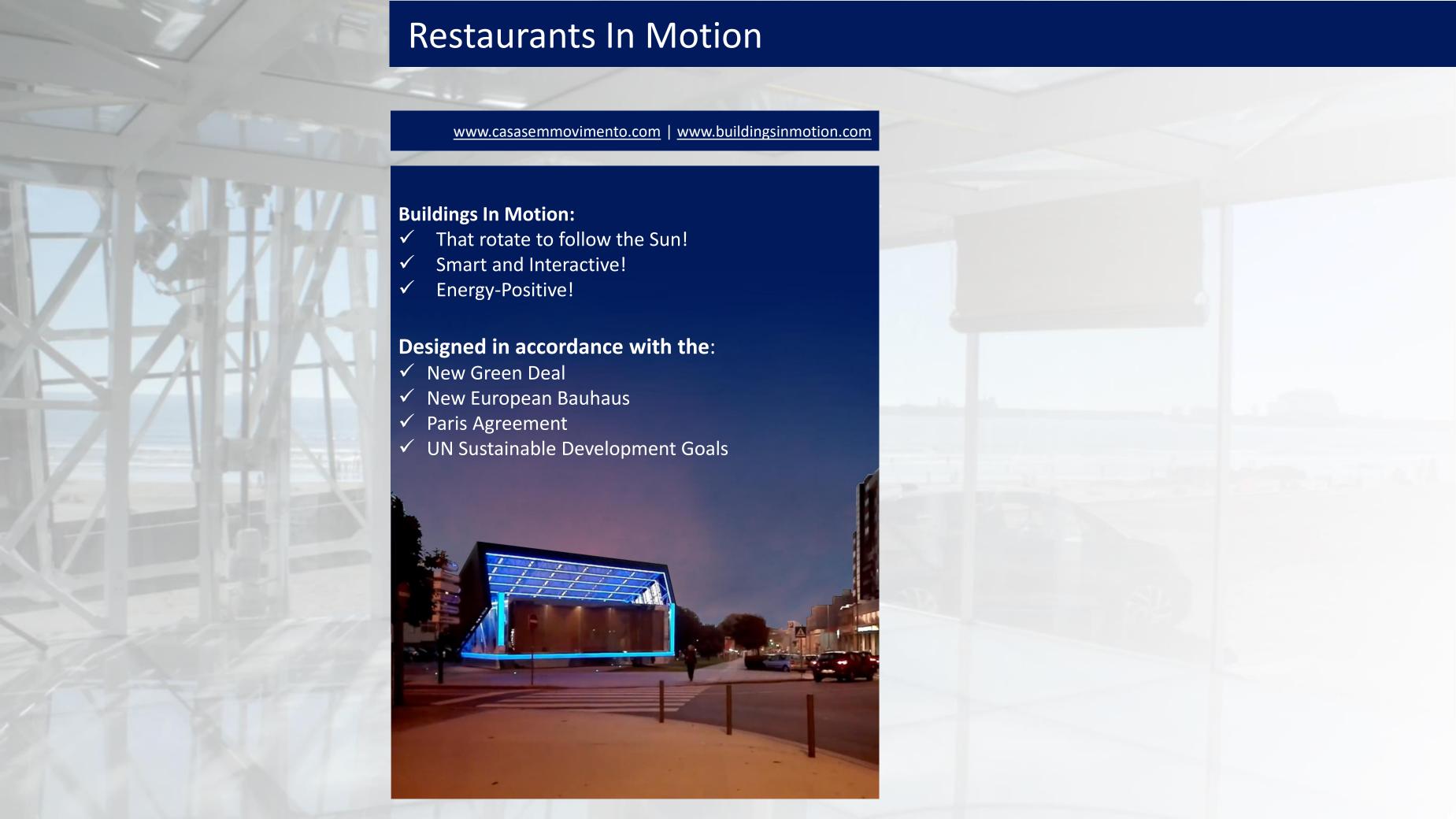
Houses In Motion for the World







Possibility of constructing hybrid buildings: combination of fixed ground floor with rotating upper floor



Our Vision Buildings In Motion

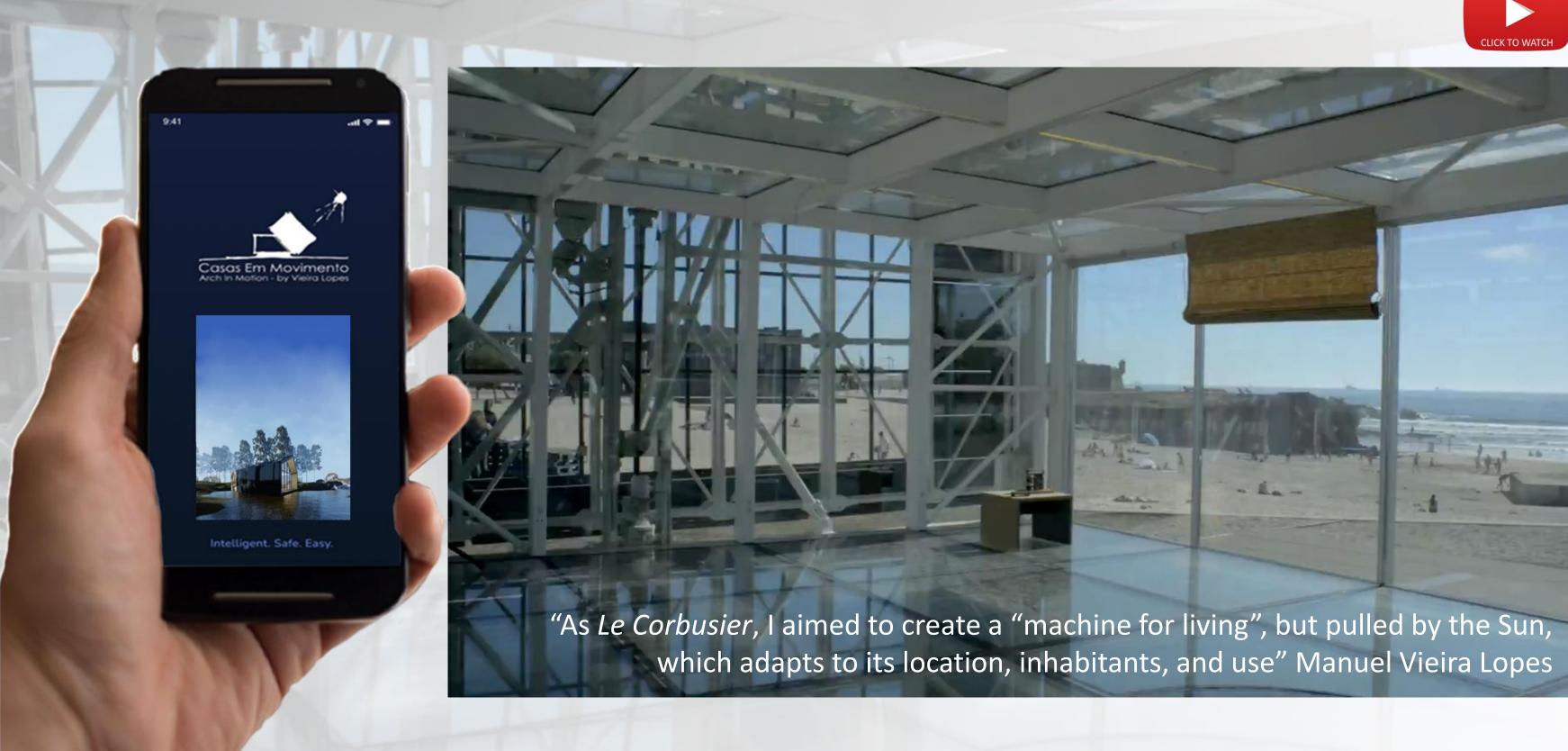




Our Vision Buildings In Motion





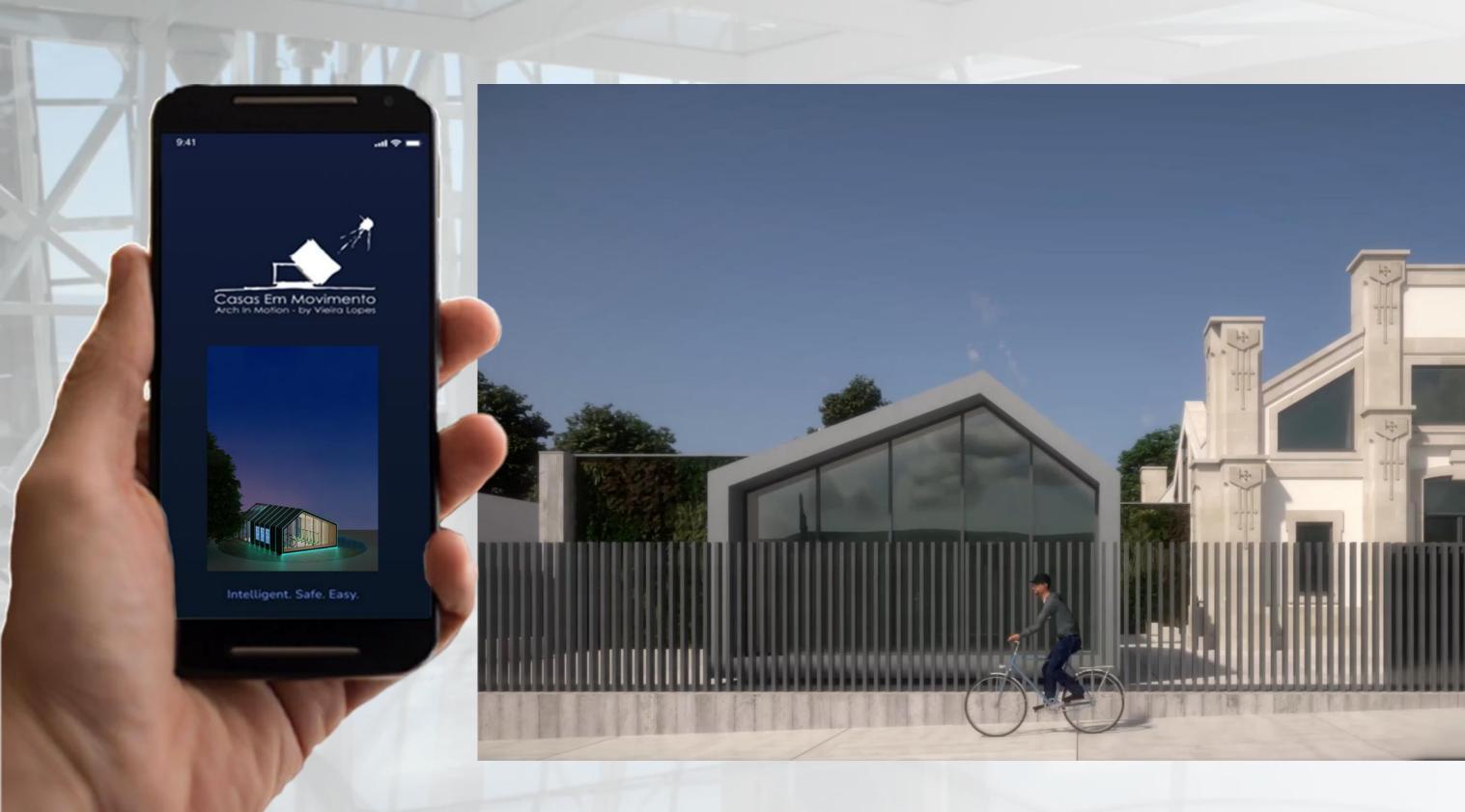




Our Startup Approval by New European Bauhaus







Buildings In Motion by Casas Em Movimento







