



**RAEA INTERNATIONAL CONFERENCE  
HOTEL PALMIRA BUSINESS CLUB  
MOSCOW 3,4 OCTOBER 2017**



DECORATING THE  
WORLD WITH  
QUALIDECO

Juan A. Bernabé  
QUALIDECO CHAIRMAN



## Special effects



**Certification of special decorative finishes, such as wood effect, to meet high quality requirements**



**A quality label within QUALICOAT**

# **WORLDWIDE DEVELOPMENT OF ALUMINIUM COATING**

- **80's**

**WHITE 90-95% + a few colours**

- **90's**

**Inclusion of the whole RAL gloss colour chart**

**Gloss, semi-gloss, matt finishes**

**Class 2 powders**

**Structured finishes (leathered, textured, wrinkled...)**



## **WORLDWIDE DEVELOPMENT OF ALUMINIUM COATING**

- **90's      WOOD EFFECT  
              POWDERS + FILMS**
  
- **2000's    POWDER + FILM  
                  UPDATE**

**DEVELOPMENT CLASS 3 POWDERS**

# **WORLDWIDE DEVELOPMENT OF ALUMINIUM COATING**

- **TGIC-FREE POWDERS IN ALL FINISHES**
- **CHROMIUM-FREE PRETREATMENT SYSTEMS**
- **SPRAY, IMMERSION**
- **ANODIC PRETREATMENT**
- **DEVELOPMENT OF HORIZONTAL LINES**
- **COMPACT LINES (CAROUSELS)**
- **DEVELOPMENT OF VERTICAL LINES**
- **DEVELOPMENT OF APPLICATION EQUIPMENT**
- **DEVELOPMENT OF LAB TESTING INSTRUMENTS**



## BEAUTIFUL & DURABLE

The stunning wood look of AL. DEC. creates an environment of warmth and style. The versatility and flexibility of AL. DEC. applies itself to many ALUMINIUM BUILDING PRODUCTS such as



**WINDOWS & DOORS**

**LOUVRES & SHUTTERS**

**CLADDING & FACADES**

**CEILING BATONS & BEAMS**

**FENCING & GATES**

**SLATS & SCREENS**

**DECKING & BALUSTRADING**

**GARAGE DOORS**



## BEAUTIFUL & DURABLE

The stunning wood grain look of AL. DEC. creates an environment of warmth and style. The versatility and flexibility of AL. DEC. applies itself to many OTHER ALUMINIUM PRODUCTS IN OTHER FIELDS such as



**SHELVES & FURNITURE**  
**NAVAL & AVIATION**  
**OUTDOOR FURNITURE**  
**STREET FURNITURE**  
**OTHER THAN METAL**





## AL. DEC. COMBINES THE NATURAL BEAUTY OF WOOD WITH THE STRENGTH AND DURABILITY OF ALUMINIUM



- **SMOOTH, TEXTURED**
- **FORMABLE/FLEXIBLE**
- .....
- **SUPER DURABLE**
- **SUPER TEXTURE**
- **ANTI SKID/ rubberized**
- **ANTIMICROBIAL**
- **ANTIGRAFITI**
- **LOW CURE**
- .....



## AL. DEC.

- **FUTNITURE**
- **STORE FIXTURES**
- **AUTOMOTIVE PARTS**
- **DOOR HANDLES**
- **KNOBS**
- **SHELVES**
- **WELDED PARTS**
- **VASES**
- **FAUCETS**
- **WHEELS**
- **AND MUCH MORE**





AL. DEC.



- **RESTAURANTS**
- **HOSPITAL VENUES**
- **CRUISES LINES**
- **RETAIL**
- **OTHER HIGH-TRAFFIC AREAS**



## **GLOW-IN-THE-DARK:**

**ALDEC**

**STREET SIGNS**

**EMERGENCY EXITS**



- **BIKES**
- **MOTORCYCLES**
- **BOATS**
- **PLANES**
- **AISLES & WALKWAYS**
- **THEATAR EXITS**

**ANY DARK AREA THAT NEEDS BACK LIT  
SIGNAGE**

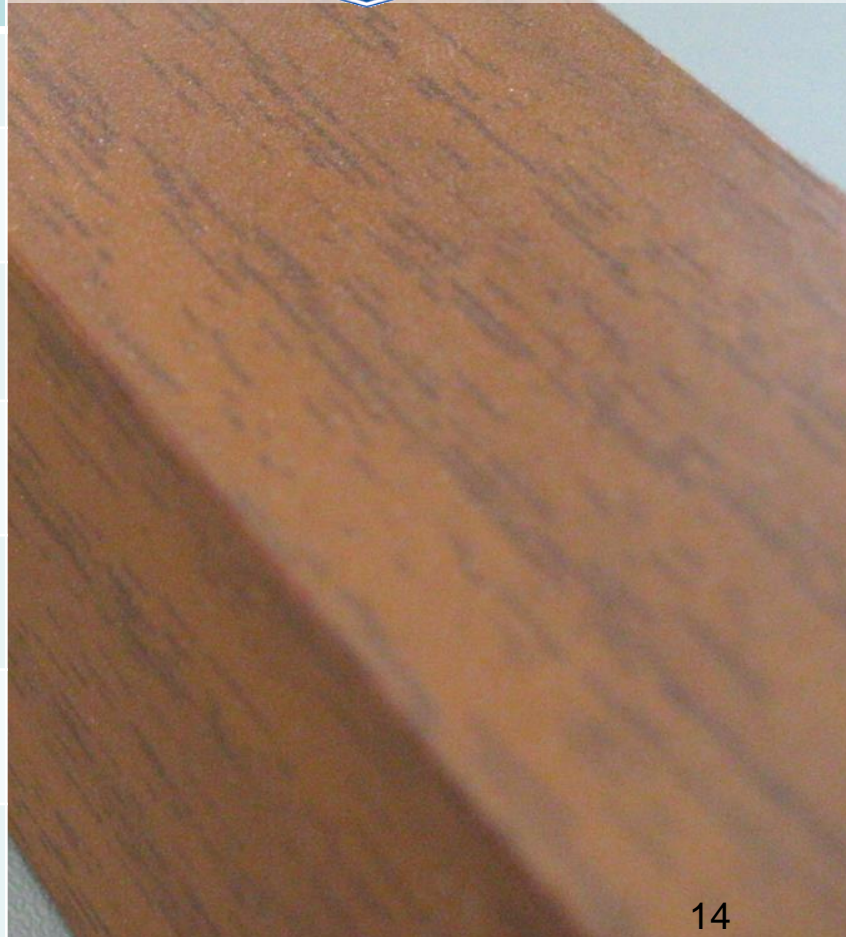
# • Other than Aluminium:



- **STEEL**
- **DIE CASTING**
- **GLASS**
- **CERAMIC**
- **MDF**
- **NYLON 66**
- **OTHER HIGH TEMP. Plastic**



<b>SUSTAINABILITY INDEX</b>	<b>AL DEC</b>	<b>W O O D</b>	<b>PLASTIC COMPO SITES</b>
<b>NO LOGGING OF TREES</b>	✓	X	X
<b>NO VOCs</b>	✓	X	X
<b>RECYCLABLE MATERIAL</b>	✓	?	X
<b>RECYCLE OFFCUTS</b>	✓	?	X
<b>DURABLE LONGLIFE</b>	✓	X	X
<b>NO PVC</b>	✓	✓	X
<b>LOW ENERGY RECYCLE</b>	✓	X	X



# QUALIDECO

DECORATING THE WORLD

Juan Bernabe



**COMMITMENT TO ENSURE HIGH QUALITY FOR  
COLOUR AND FINISH**



**CAMPAIGNS TO ATTRACT:**

- **OEMs**
- **BUILDERS**
- **ARCHITECTS**





**2016/17**

**QUALICOAT 30/31 YEARS**

**QUALIDECO 20/21 YEARS**

.



## HISTORICAL BACKGROUND

### QUALITAL SPECIAL EFFECTS 1996

- **QUALITAL quality label**
- **Special effects**
- **QUALITAL Specifications**



**QUALIDECO**

**1998**

- **QUALICOAT “SPECIAL FINISHES” W.G.**



3 MARCH 2004

**QUALIDECO COMMITTEE**

**APPENDIX A2**

**QUALICOAT SPECIFICATIONS**

**“SPECIAL FINISHES”**



# QUALIDECO COMMITTEE

## MEMBERS

**Juan A. Bernabé**

**J. Arrieta**

**R.Boi**

**G.Casati**

**S.Valzano**

**P.Giacono**

**A.Piva**

**S.Legidis**

**M.Holz**

**G.Vlahakis**

**L.Verite**

## COUNTRY

**SPAIN**

**SPAIN**

**ITALY**

**ITALY**

**ITALY**

**ITALY**

**ITALY**

**SWITZERLAND**

**GERMANY**

**GREECE**

**UAE**



# FIRST LICENCES GRANTED TO DECORATORS

## ITALY

**27.02.98 P/P**

**24.04.98 SUB.**

**13.10.98 P/P**

## SPAIN

**13.10.99 SUB.**

<b>30.06.2017</b>	<b>SUBL.</b>	<b>P/P</b>	<b>OTHERS</b>	<b>TOTAL</b>
<b>ITALY</b>	<b>11</b>	<b>6</b>	<b>1</b>	<b>18</b>
<b>SPAIN</b>	<b>14</b>	<b>2</b>	<b>-</b>	<b>16</b>
<b>FRANCE</b>	<b>3</b>	<b>2</b>	<b>-</b>	<b>5</b>
<b>PORTUGAL</b>	<b>2</b>	<b>1</b>	<b>-</b>	<b>3</b>
<b>GREECE</b>	<b>4</b>	<b>-</b>	<b>-</b>	<b>4</b>
<b>U.A.E.</b>	<b>3</b>	<b>1</b>	<b>-</b>	<b>4</b>
<b>POLAND</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>2</b>
<b>MOROCCO</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>2</b>
<b>RUSSIA</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>1</b>
<b>GERMANY</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>1</b>
<b>BOSNIA</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>1</b>
<b>BELGIUM</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>1</b>
<b>CZECH REPUBLIC</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>1</b>
<b>CROACIA</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>1</b>
<b>CYPRUS</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>1</b>
<b>EGYPT</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>1</b>
<b>SAUDI ARABIA</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>1</b>
<b>KUWAIT</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>1</b>



## APPROVED DECORATIONS

P/P	SUB.	OTH.	TOT.
102	506	17	625

(BY TECHNOLOGY)





## QUALIDECO DECORATORS

- 64 COMPANIES
- 3 TECHNOLOGIES
- +600 DECORATIONS

# INSPECTIONS AND LABORATORY TESTS



**NATIONAL ASSOCIATIONS  
TRAINED INSPECTORS  
RECOGNISED LABORATORIES**

# QUALIDECO INSPECTORS

- Mr. Caig Brennan (AZUMA)
- Mr. Marc Gromen (CORI)
- Mrs. Marie Sophie Plissart (CORI)
- Mr. Derek Ding (QUALISINO)
- Mr. Jean-Paul Joseph (TESTAL)
- Mr. Holger Gärtner (IFO)
- Mr. Jorg Bilmaier (IFO)
- Mr. Marc Holz (IFO)
- Mr. Albertus De Boer (IFO)
- Mr. Manolis Vgontzas (AAG)
- Mr. Riccardo Boi (QUALITAL)
- Mr. Carlo Calcaterra (QUALITAL)
- Mr. Matteo Salmaso (QUALITAL)
- Mr. Salvatore Valzano (QUALITAL)
- Mr. Eddy Eldermann (IFO)
  
- Mrs. Teresa Mozaryn (IMP)
- Mrs. Dagmara Warsicka (IMP)
- Mr. Piotr. Tomassi (IMP)
- Mr. Stanislaw Garzowski (IMP)
- Mrs. Paula Rodrigues (LNEC)
- Mr. Pedro Galego (LNEC)
- Mr. MOTA José Manuel (DECOTEC)
- Mr. Daniel Arias (DECOTEC)
- Mr. Rafael Calabres (DECOTEC)

## COUNTRY

AUSTRALIA  
BELGIUM  
BELGIUM  
CHINA  
FRANCE  
GERMANY  
GERMANY  
GERMANY  
GERMANY  
GREECE  
ITALY  
ITALY  
ITALY  
ITALY  
NETHERLANDS  
  
POLAND  
POLAND  
POLAND  
POLAND  
PORTUGAL  
PORTUGAL  
SPAIN  
SPAIN  
SPAIN

# QUALIDECO LABORATORIES

**QUALITAL (ITALY)**

**DECOTEC (SPAIN)**

**IFO (GERMANY)**

# QUALIDECO SPECIFICATIONS

last version from 1.01.2012

new version from 1.7.2017

- SUBLIMATION
- POWDER ON POWDER
- NEW TECHNOLOGIES
- DECORATIONS CLASS 2



# SPECIFICATIONS



- 1. SCOPE AND PURPOSE OF THE SPECIFICATIONS**
- 2. CERTIFICATION PROCEDURE FOR GRANTING A LICENCE TO DECORATORS USING SUBLIMATION TECHNOLOGY**
- 3. CERTIFICATION PROCEDURE FOR GRANTING A LICENCE TO FILM AND POWDER SUPPLIERS (APPLIES TO SUBLIMATION TECHNOLOGY ONLY)**
- 4. CERTIFICATION PROCEDURE FOR GRANTING A LICENCE TO DECORATORS USING POWDER ON POWDER TECHNOLOGY**
- 5. APPROVALS OF DECORATION SYSTEMS (APPLIES TO POWDER ON POWDER TECHNOLOGY ONLY)**
- 6. LOGO**

# Quality product SUBLIMATION

**COATER**

**DECORATOR**

**FILM  
SUPPLIER**

**POWDER  
SUPPLIER**

**QUALIDECO Specifications**



**Quality product  
POWDER ON POWDER**

**COATER**

**DECORATOR**

**POWDER  
SUPPLIER**

**QUALIDECO Specifications**





**DECORATOR  
FILM SUPPLIER  
POWDER SUPPLIER  
(Licence No xxxx)**

# WORLDWIDE DEVELOPMENT



**BENEFITS**

WHICH IS THE  
CURRENT  
SITUATION?

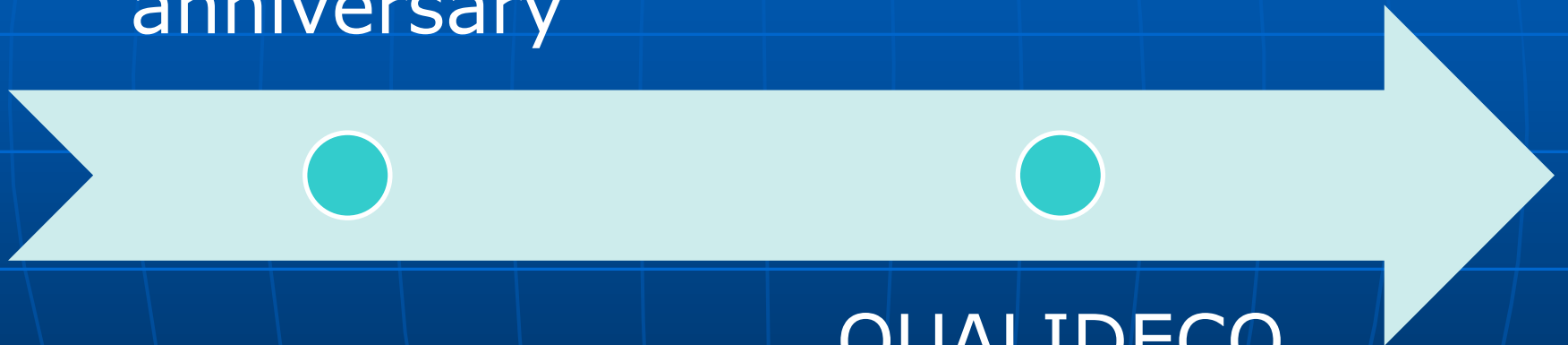


## Parties involved:

- Architects
- Specifiers
- Owners
- Applicators
- Decorators
- Coating Suppliers
- Film suppliers
- Chemical Suppliers

2013-2016-2019

QUALICOAT  
27th-30th-33th  
anniversary



QUALIDECO  
18th-20th-23th  
anniversary

# COUNTRIES WITH NATIONAL ASOCIATION



# COUNTRIES WITHOUT NATIONAL ASOCIATION

BRASIL

USA

CENTRAL AMERICA

COLOMBIA

THAILAND

INDONESIA

PHILIPPINES

INDIA

. Estimated population, GDP per capita, aluminum consumption per capita, and  
aluminum consumption for 2015, 2020, and 2025

		2015				2020				2025			
		Popn M	GDPpp/c	Al/c(kg/c)	Al cons. (t) x 103	Popn M	GDPpp/C	Al/c(kg/c)	Al cons. (t) x 103	Popn M	GDPpp/C	Al/c(kg/c)	Al cons. (t) x 103
1	<b>China</b>	1,396	13,879	8.86	12,371	1,431	21,806	20.92	29,939	1,453	34,587	28.70	41,703
2	<b>India</b>	1,294	5,350	1.82	2,358	1,367	7,103	2.60	3,560	1,431	9,517	4.17	5,967
3	<b>USA</b>	332	49,254	29.37	9,751	346	54,789	29.39	10,169	359	61,215	29.40	10,554
4	<b>Indonesia</b>	244	5,003	1.70	414	254	5,847	2.02	513	263	6,871	2.48	654
5	<b>Brazil</b>	203	10,339	4.86	986	209	11,642	6.14	1,282	214	13,181	7.94	1,699
6	<b>Pakistan</b>	206	3,004	1.12	230	226	3,494	1.24	280	246	4,097	1.40	345
7	<b>Bangladesh</b>	175	2,792	1.07	187	186	3,353	1.20	223	195	4,082	1.40	273
8	<b>Russia</b>	138	18,615	16.17	2,232	135	25,464	24.89	3,360	132	34,851	28.74	3,794
9	<b>Nigeria</b>	176	1,467	0.80	142	193	1,876	0.88	169	210	2,418	0.98	207
10	<b>Japan</b>	126	37,126	29.00	3,654	124	41,651	29.25	3,627	121	47,127	29.35	3,552
11	<b>Mexico</b>	116	12,201	6.75	784	120	13,673	8.58	1,030	123	15,464	11.16	1,372
12	<b>Philippines</b>	102	6,569	2.34	238	110	7,410	2.77	305	117	8,477	3.42	400
13	<b>Vietnam</b>	94	5,032	1.71	160	98	6,741	2.42	237	102	9,084	3.84	392
14	<b>Germany</b>	81	36,096	28.90	2,349	80	40,299	29.20	2,347	79	45,110	29.33	2,326
15	<b>Ethiopia</b>	96	1,087	0.74	71	108	1,296	0.78	84	120	1,561	0.82	98
16	<b>Egypt</b>	92	5,510	1.88	173	99	6,547	2.33	230	105	7,847	3.02	317
17	<b>Turkey</b>	80	12,296	6.86	549	84	15,690	11.50	965	87	20,156	18.58	1,624
18	<b>Iran</b>	80	10,274	4.80	382	84	12,454	7.05	590	87	15,275	10.87	947
19	<b>Thailand</b>	70	11,918	6.44	450	71	14,891	10.30	735	73	18,691	16.30	1,183
20	<b>France</b>	64	35,516	28.83	1,842	65	38,608	29.11	1,889	66	42,044	29.26	1,925
			<b>Total</b>		<b>39,300</b>		<b>Total</b>		<b>61,500</b>		<b>Total</b>		<b>79,300</b>
			<b>World Total</b>		<b>58,700</b>		<b>World Total</b>		<b>91,900</b>		<b>World Total</b>		<b>119,000</b>







## And finally...

### What are the Benefits of QUALICOAT/QUALIDECO?

- Customers and Specifiers receive coated/decorated products that meet clearly defined quality and performance criteria.
- Qualicoat/Qualideco defines comprehensive quality requirements and **independently monitors** their compliance by licensed plants worldwide. As a result, purchasers of coated/decorated aluminium receive a premium grade product delivering long-term value, sustainability, with good quality and peace of mind.



**THANK YOU SO MUCH FOR  
ATTENDING THIS CONGRESS**

**JUAN A. BERNABE** QUALIDECO CHAIRMAN