



CIEPIELA TECHNOLOGY PROMOTION

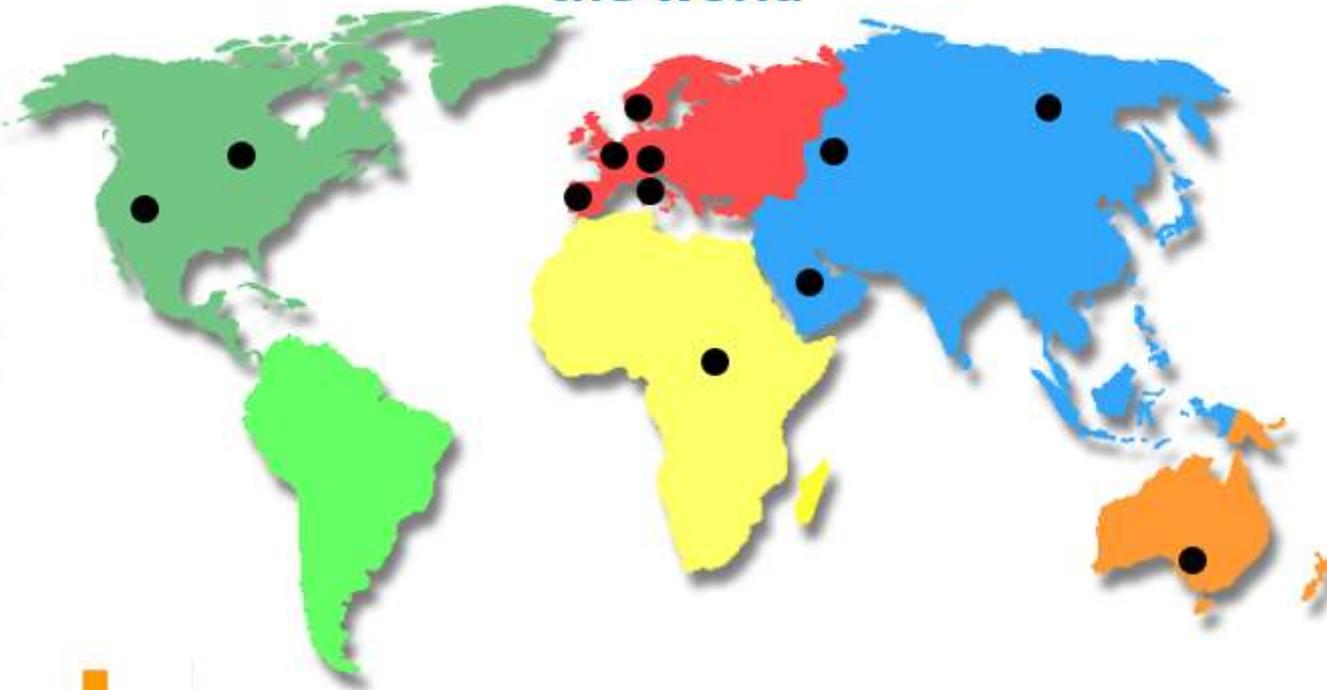


# MAEMA

surface treatment systems  
for architectural concrete

CASES STUDY

In 16 years more than 50 applications all around the world



3



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**maema**



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**maema**



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**maema**



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## *BellaCrete reference case: project in Australia*



*Job start from 2010*  
*Job finish 2013*

## *BellaCrete reference case: project in Australia*



*Realization of a building of about 600m<sup>3</sup> with precast elements  
With a limitation size of the plant.  
With an careful aesthetical design*

*Purpose of the building:  
deposit and recovery place  
for metro trains*



## ***BellaCrete reference case: project in Australia***



***Customer: BIANCO PRECAST  
Adelaide – AUSTRALIA-  
Final customer: Metro City  
Company– Adelaide  
AUSTRALIA***

***Content of the supply: n°3  
BELLACRETE MACHINES***



# ***BellaCrete reference case: project in Australia***

## ***Commitment:***



***Surface treatment of about 120 concrete panels to be used as wall with size up to 3 meters width, length up to 6 meters***

***Panels to be realized with raised profiles***

***Upper surface to be polished leaving sharp edge and keeping the corners***



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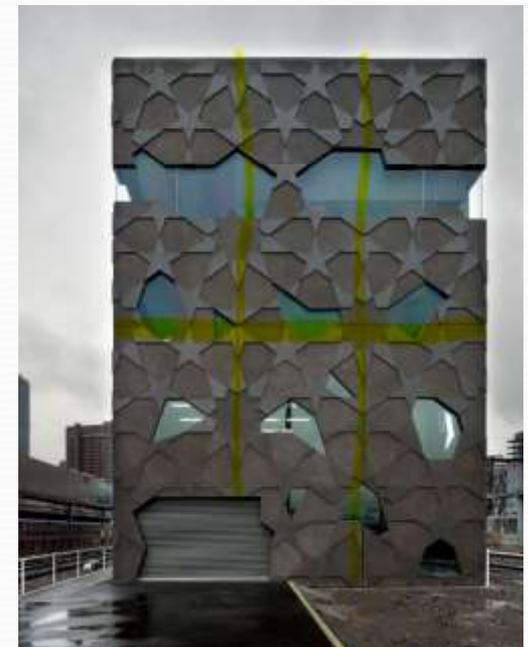


# *BellaCrete reference case: project in Australia*

## *Concept:*



*Different panels that composed the four sides of the building*



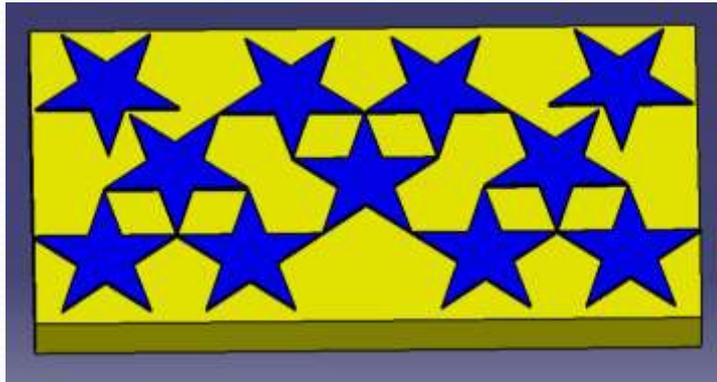
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*t shapes in relieve  
(stars) that togheter compose  
a unic picture (like a puzzle)*

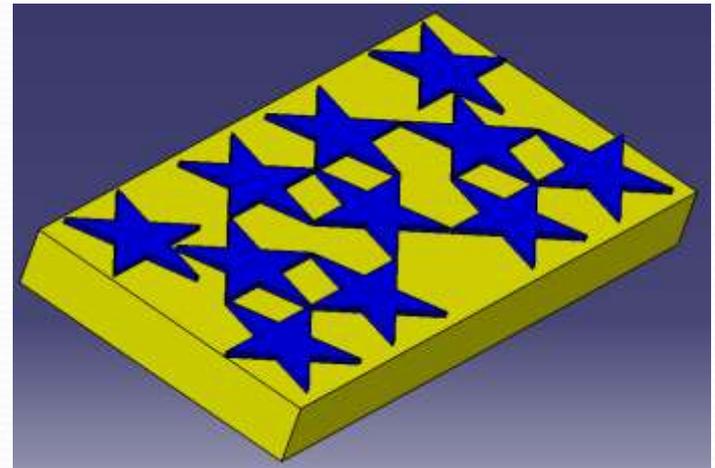
# *BellaCrete reference case: project in Australia*

## *Concept:*



*Mix design elaborated using pigmentes (colour) and marble cheeps of similar colour*

*Used a set of special molds with a profile in relieve of about 25mm*



*Polishing of the upper surface of the stars to create the contrast (reflecting surface against dark surface,*

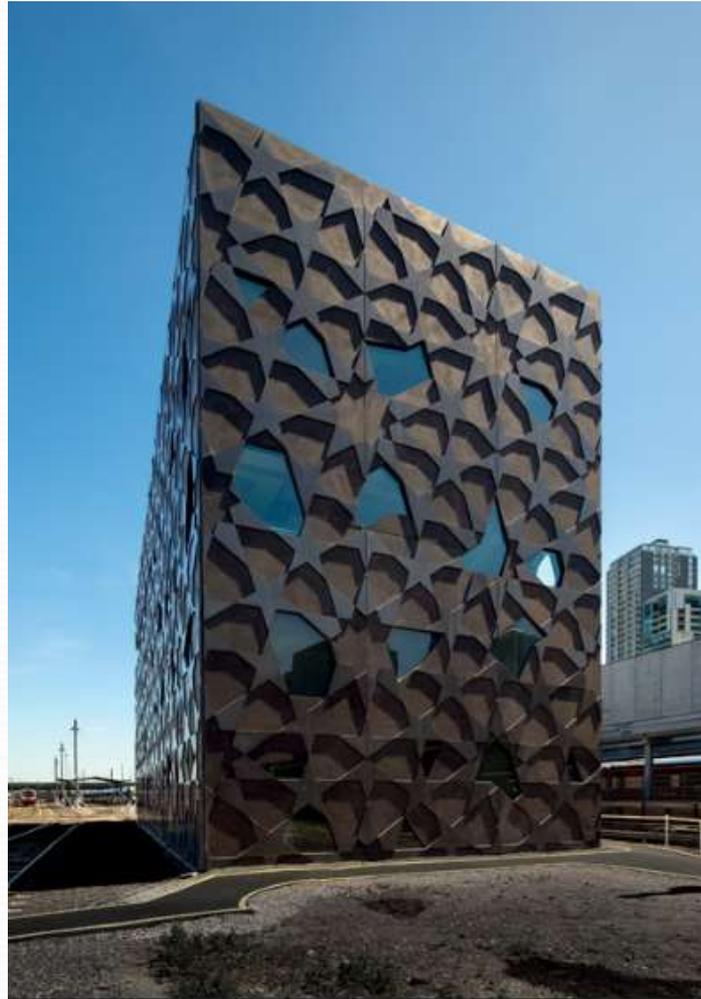


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**maema**

## ***BellaCrete reference case: project in Australia***

***Result:***



***The result is that the  
game of light and dark***

***tricks the eyes  
and  
create a fantastic  
deepness effect***

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## ***BellaCrete reference case: project in Australia***

***Different comment  
appeared on the web...***

***«Design to be a deposit but  
become a architectural case»***



***«A skillful play of light  
and shadows to create  
the illusion of the  
depth»***

***«Born to be a just a box  
but realized as jewel»***

## ***BellaCrete reference case: project in California***



***Big project for the realization of a huge building of about 260.000 sq meters***

***Offices and recreation spaced designed for 12.000 empolyes***

***5 Bilion \$ investment***



***Job start from 2013***  
***Job finish 2017***

# ***BellaCrete reference case: project in California***



***Precast producer:  
CLARK PACIFIC  
Sacramento – California USA -  
Job site location: San  
Francisco– California USA -***

***Content of the supply: n°3  
BELLACRETE MACHINES  
(special width)***



# ***BellaCrete reference case: project in California***

## ***Commitment:***



***Surface treatment of about 4100 concrete panels to be used as ceiling with size up to 20' width (about 6 meters), length up to 60' (about 18mt)***



***Panels to be treated on 5 sides***

***Sides of the panels not straight (curved) with different radius***



# *BellaCrete reference case: project in California*

## *Panels features :*



*Bull nose on one side*



*Sharp edge on the opposite side*



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*Cave*



*Holes*

# ***BellaCrete reference case: project in California***

## ***Actual state of the project:***

***- Panels treatment: job finished in January 2016 (4100 panels in about 13 months)***



***- Supplied in January 2016 of a special attachment for treatment of free curved panels (to be used for interiors elements)***



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***- Clark Pacific is now working in different project – THE BIG JOB HAS BEEN TERMINED IN TIME AND WITH GREAT SUCCESS***

<https://youtu.be/esWWDEdqlbE>

A large industrial machine with a yellow frame and multiple rotating heads is shown in a factory setting. The machine is positioned over a large, flat concrete surface. The background features a blue ceiling and various industrial components. The text "SURFACE TREATMENT SYSTEMS FOR ARCHITECTURAL CONCRETE" is overlaid on the image in a blue box with a white border.

**SURFACE TREATMENT  
SYSTEMS FOR  
ARCHITECTURAL CONCRETE**





**TECHNOLOGY AND  
EXPERIENCE AT DISPOSAL  
OF OUR CUSTOMERS**



**FROM THE GRAY  
WORLD..**



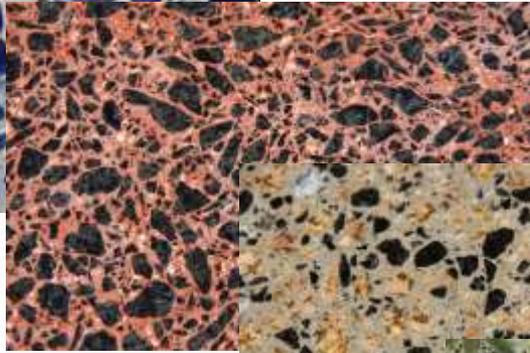
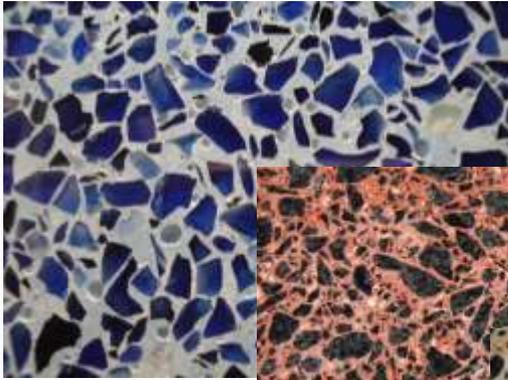
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# TO THE COLORED WORLD



**CIEPIELA TECHNOLOGY PROMOTION**

**NOT JUST COLOURS....  
BUT EVEN DIFFERENT  
SURFACE EFFECTS**



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SHINING



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HONED



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**SMOOTH**



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**ROUGH**



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**WASHED**



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## SAME MACHINE... JUST DIFFERENT TOOLS



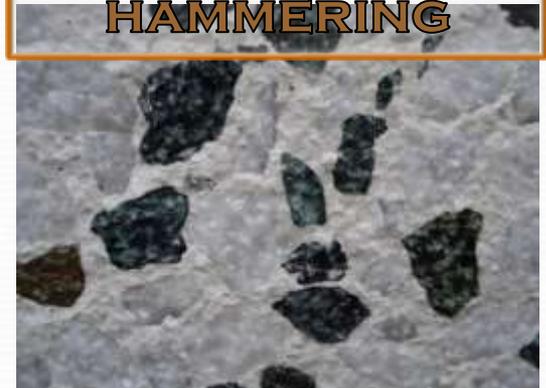
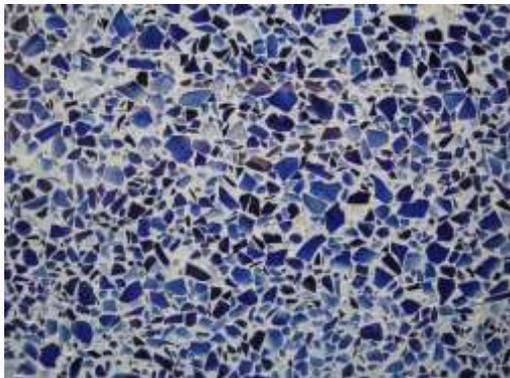
**POLISHING**



**BRUSHING**



**BUSH  
HAMMERING**



# ONLY FLAT SURFACES?



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# ONLY FLAT SURFACES?



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## ONLY FLAT SURFACES?



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## HOW TO TRANSFER THE INFO TO THE MACHINE



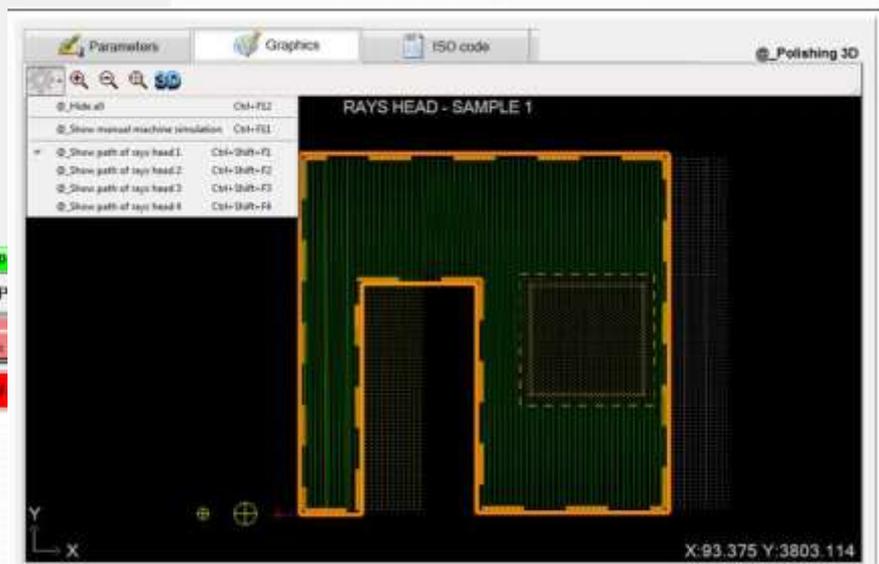
**FROM YOUR  
BIM SYSTEM**

**ALL THE FEATURES  
OF YOUR PANELS  
CAN BE  
TRANSFERED USING  
A VECTORIAL FILE**





**TO THE  
MACHINE INTERFACE**



**CIPIELA TECHNOLOGY PROMOTION**

**FROM PRODUCTION TO  
MATURATION TO  
TREATMENT**



**CIEPIELA TECHNOLOGY PROMOTION**

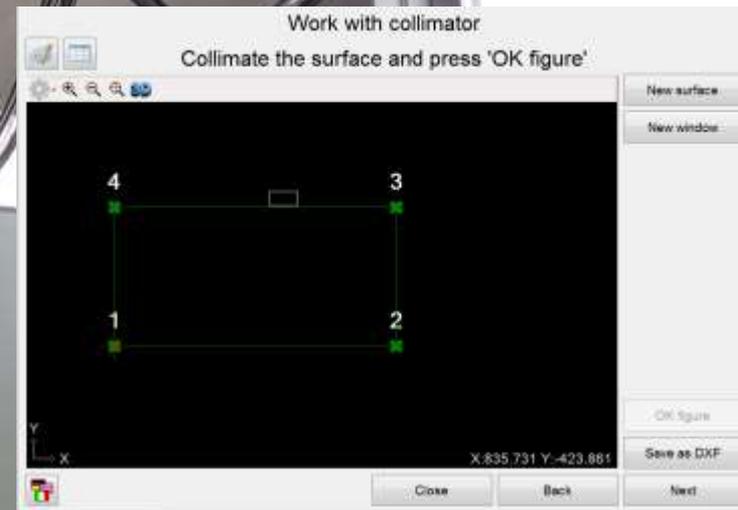


TILTING TABLE OR FIXED  
SUPPORTS



CIEPIELA TECHNOLOGY PROMOTION

TAKES THE ZERO POINT  
AND THEN GO!



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 **POZBRUK**





MACKIEWICZ

*[www.ciepiela.eu](http://www.ciepiela.eu)*



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