

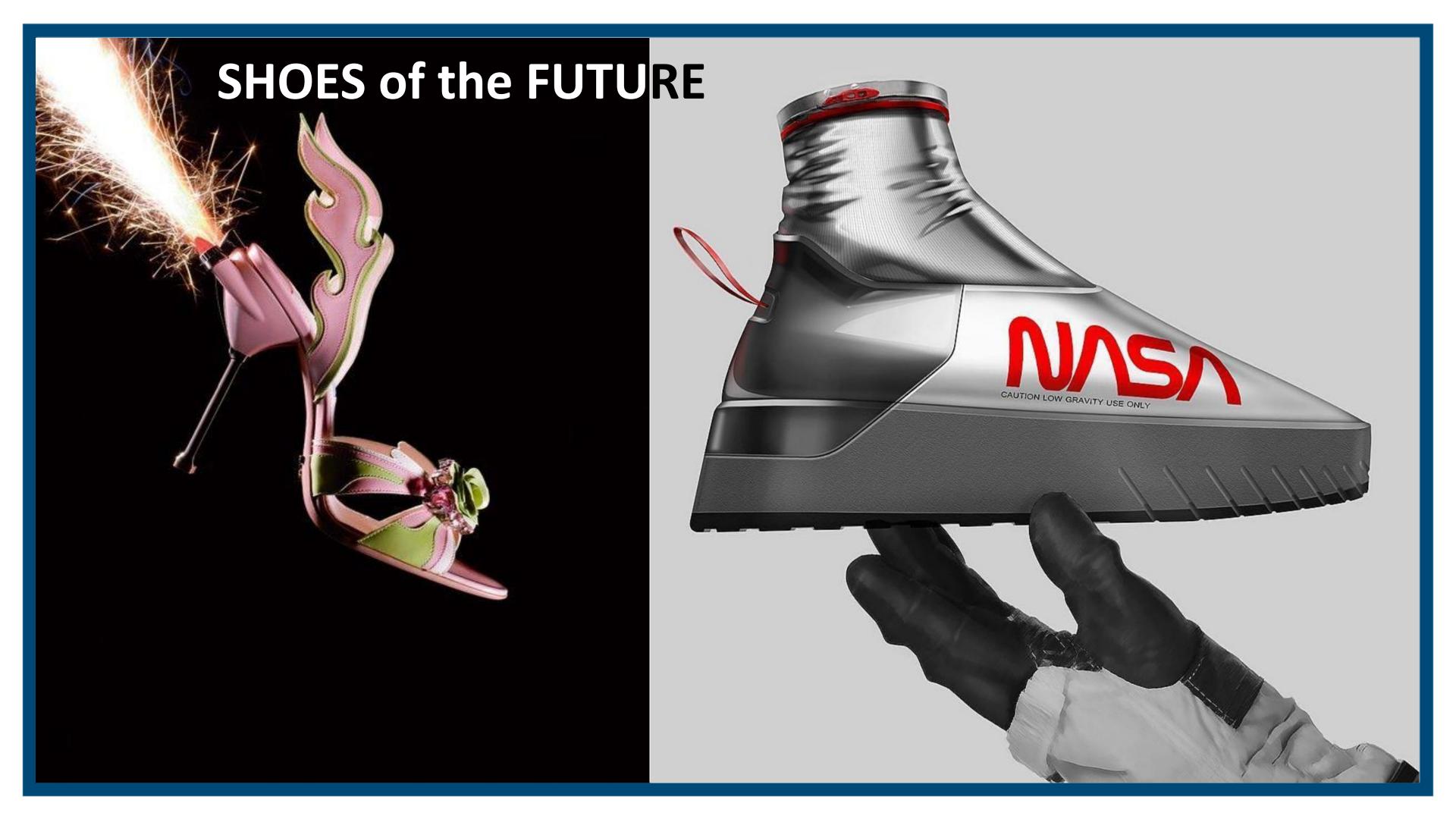
FROM FASHION TO FACTORY

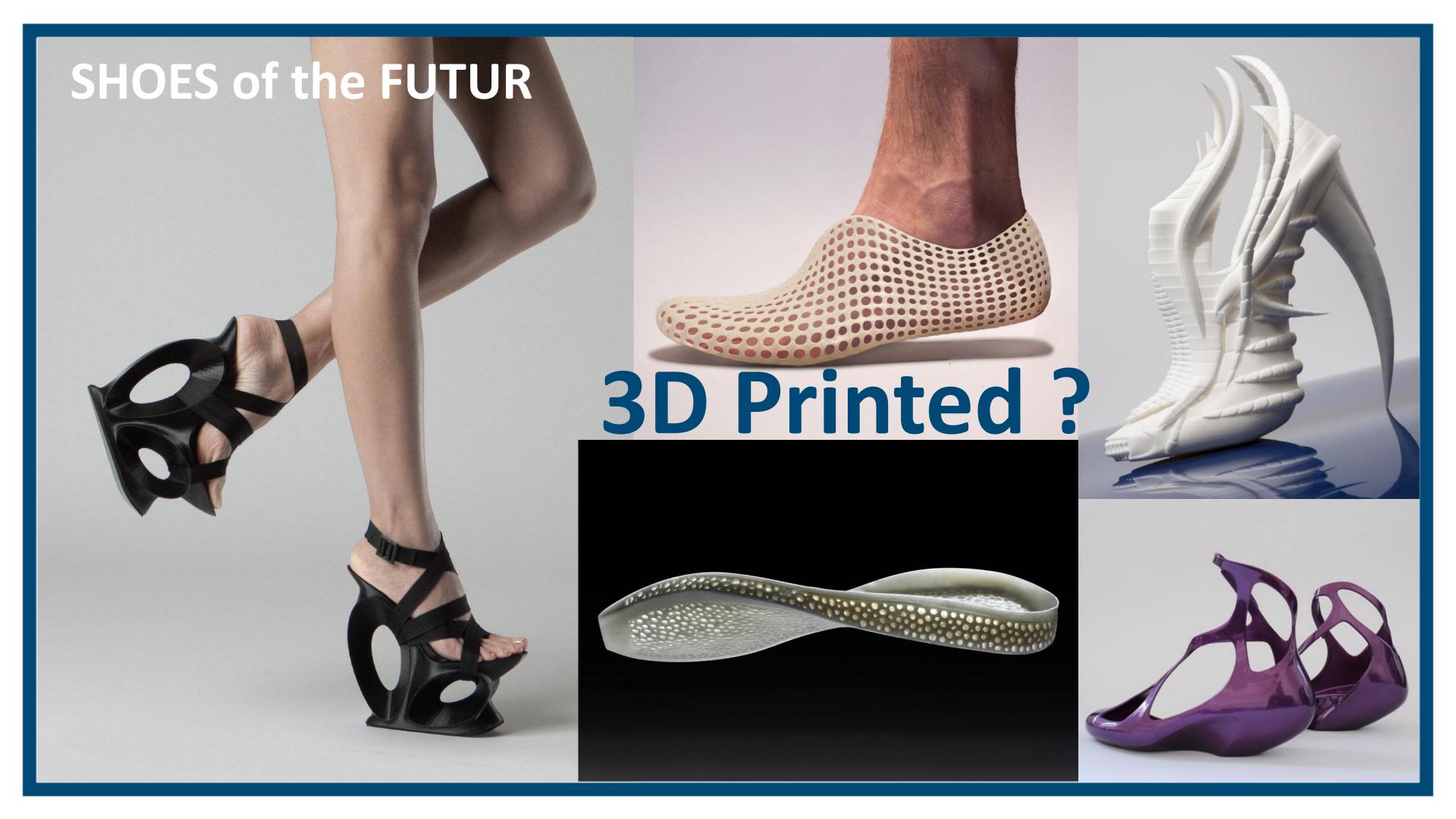
A New Technological Age

Last analysis and modification software

Christophe CUMIN - CTC - Head of shoe department Thursday May 17th 2018

CUSTOMERS NEEDS PERFORMANCE COMFORT **TECHNICITY** INNOVATION



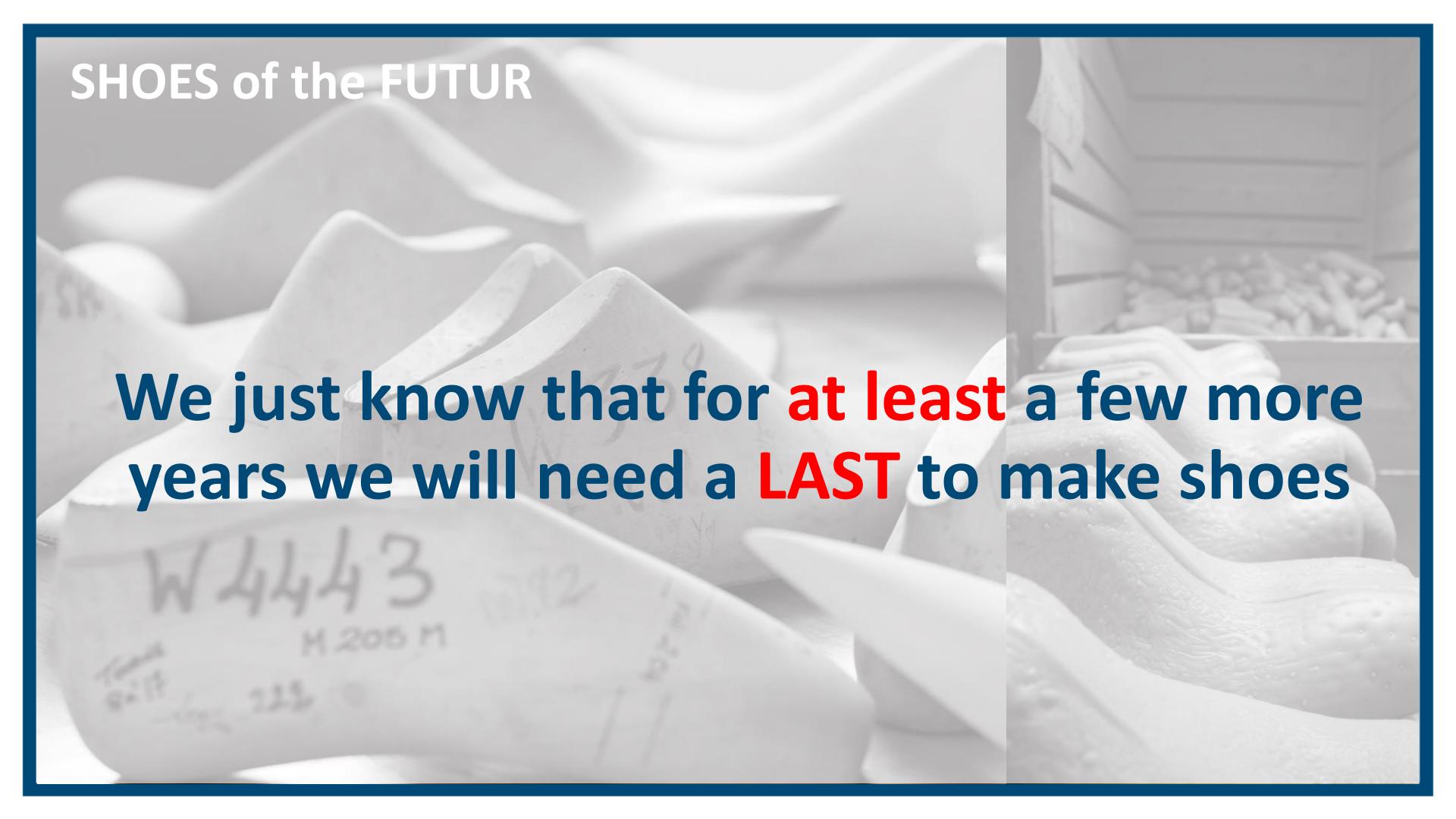












I HAVE A DREAM



Porto 2018 16th-18th







To make a good shoe we need a good last

To make a good last we need to know the customer foot and his fitting request

LAST IS ESSENTIAL

Sir Francis BACON said

Knowledge is power

FOOT and LAST

CTC started to work 10 years ago with 3 goals

Understand the link between last and foot

Make accessible to all last construction keys

Create a last analysis software



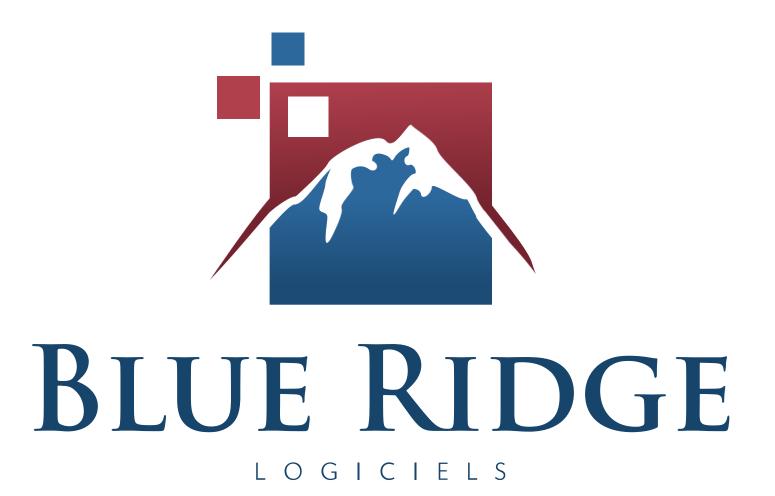


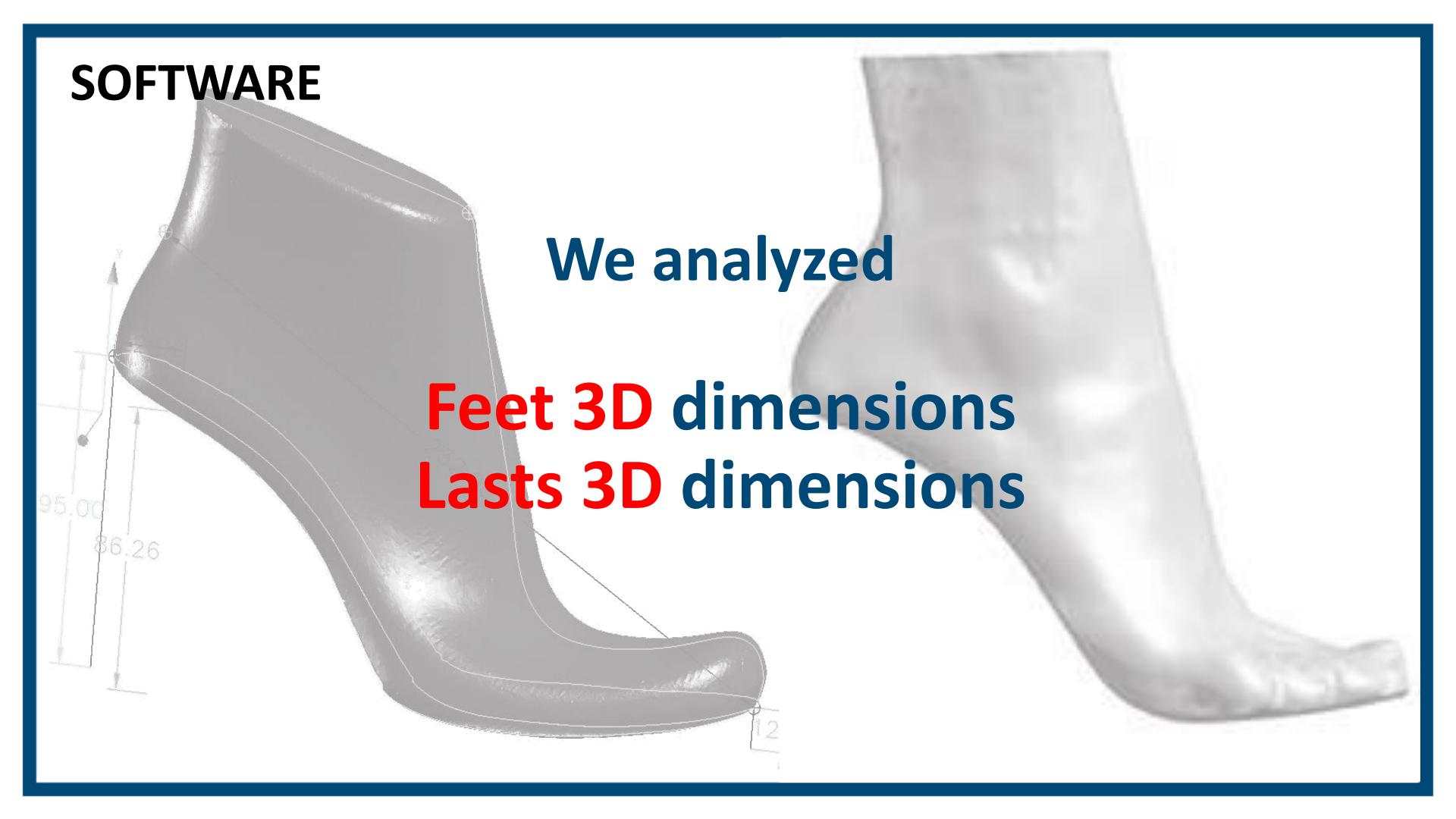
FOOT and LAST We have developed Lasts analysis procedure Lasts analysis machine Lasts analysis databases

SOFTWARE

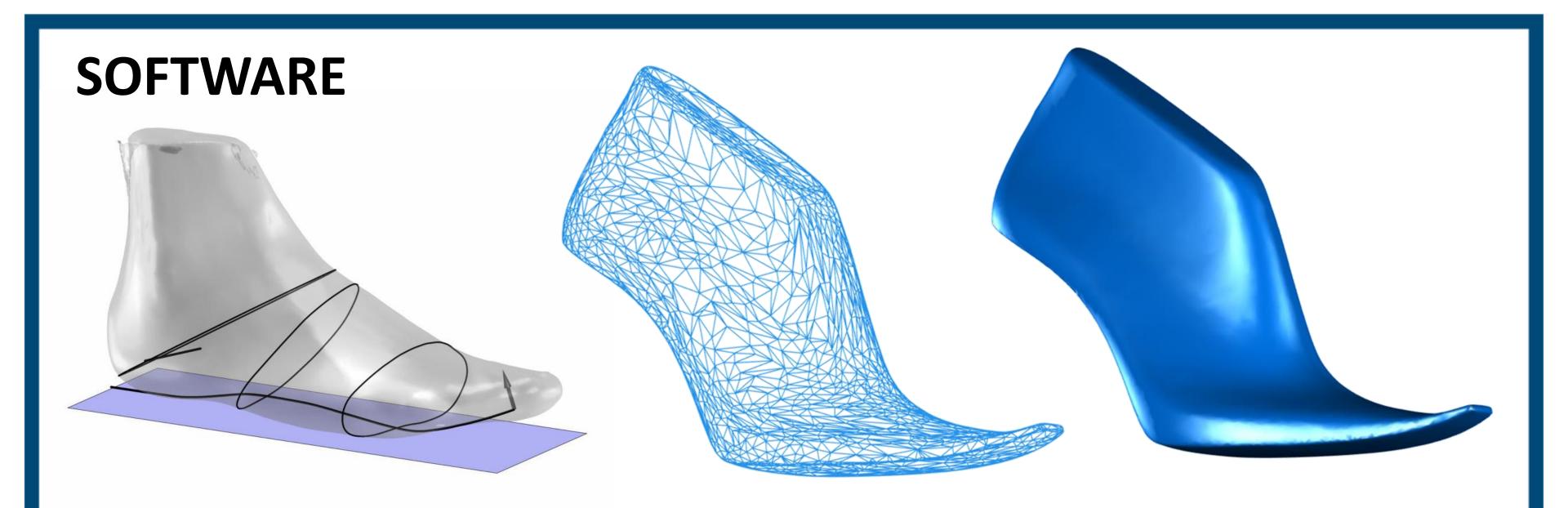
The difficulty

Translate human experience into mathematical calculation





SOFTWARE We have produced shoes and performed fitting test With different last parameters With different feet morphologies



We have developed algorithms

To compare feet and last parameters
To modify lasts following feet geometry













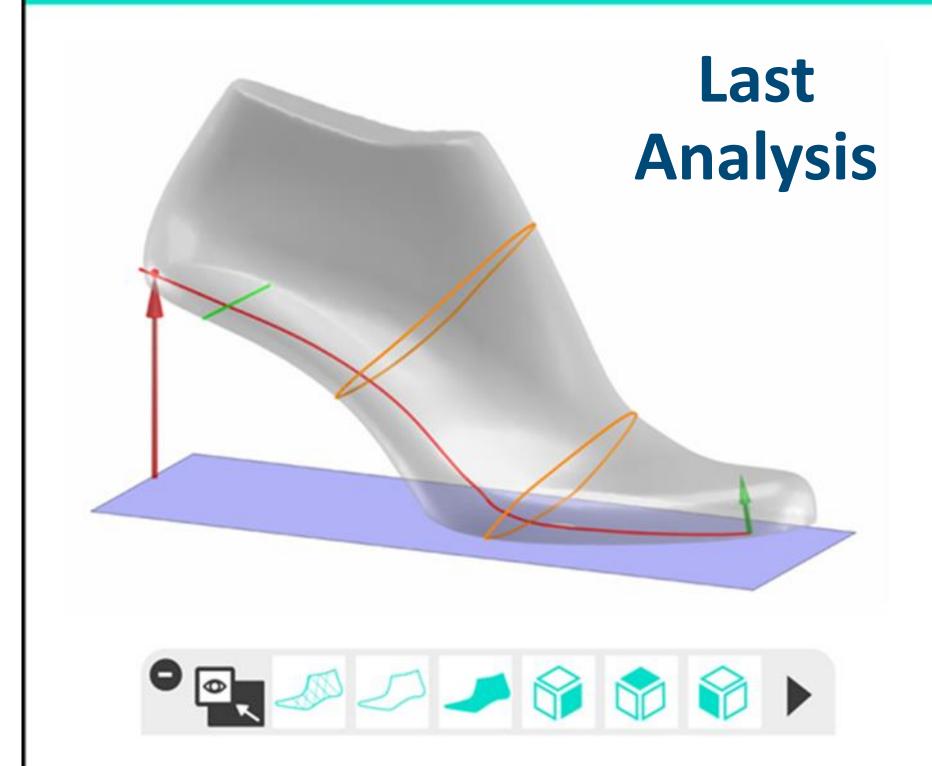








100% **Auto**



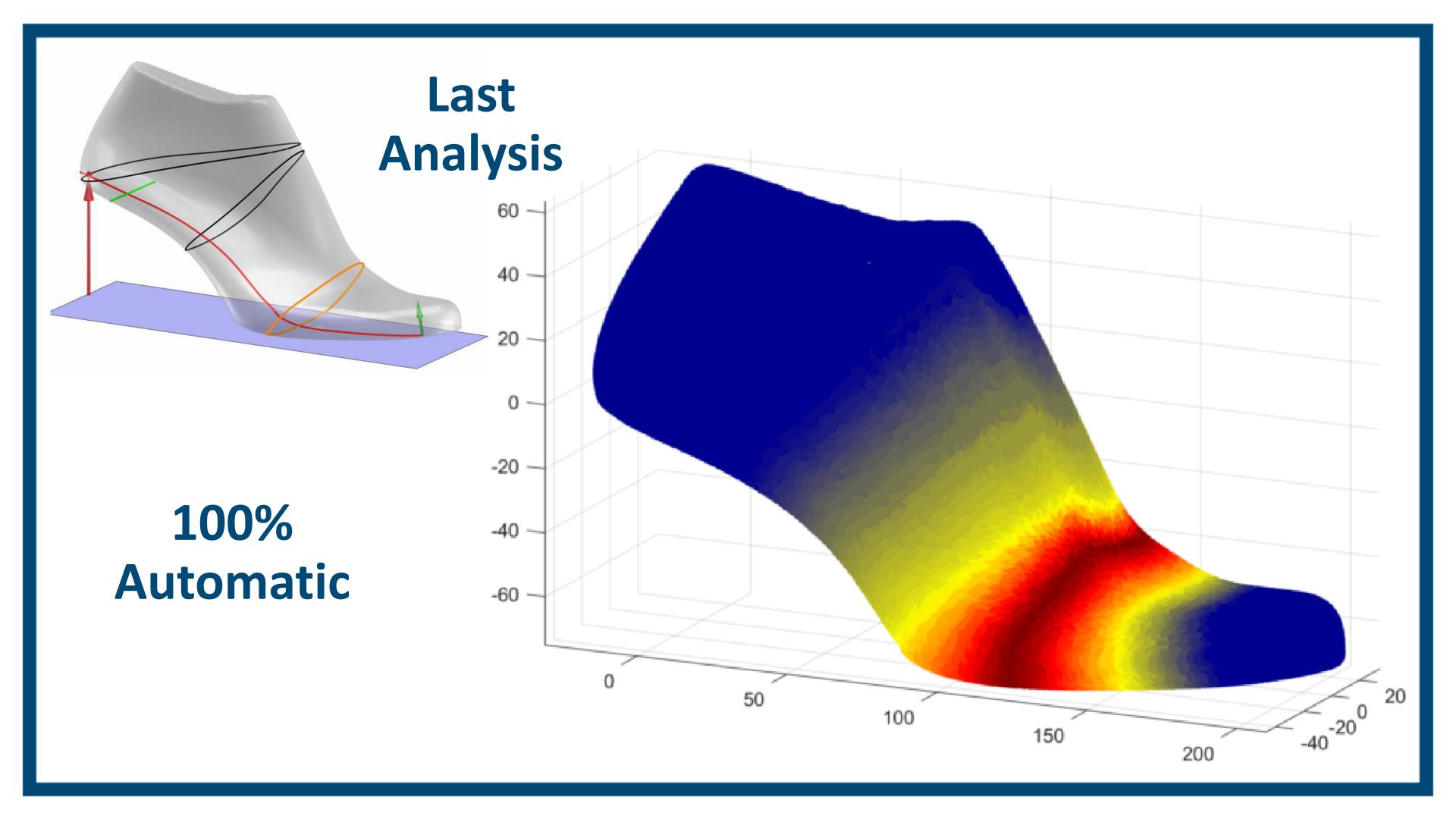
	Mesure	Forme G
	Longueur de forme	239 mm
	Hauteur de talon	80 mm
	Pointure	36,4
	Circonférence arrière-pied	220 mm
	Circonférence médio-pied	213 mm
(3)	Circonférence avant-pied	145 mm
(3)	Largeur talon	60 mm
(D)	Largeur talon 1ère	50 mm
(1)	Largeur métatarse	83 mm
(3)	Largeur métatarse 1ère	83 mm
	Hauteur pouce	16 mm
	Angle assisetalon	20°
0	Relève	8 mm
(3)	Angle de vrillage	0,4 °
•	Conformité des volumes	65 %





















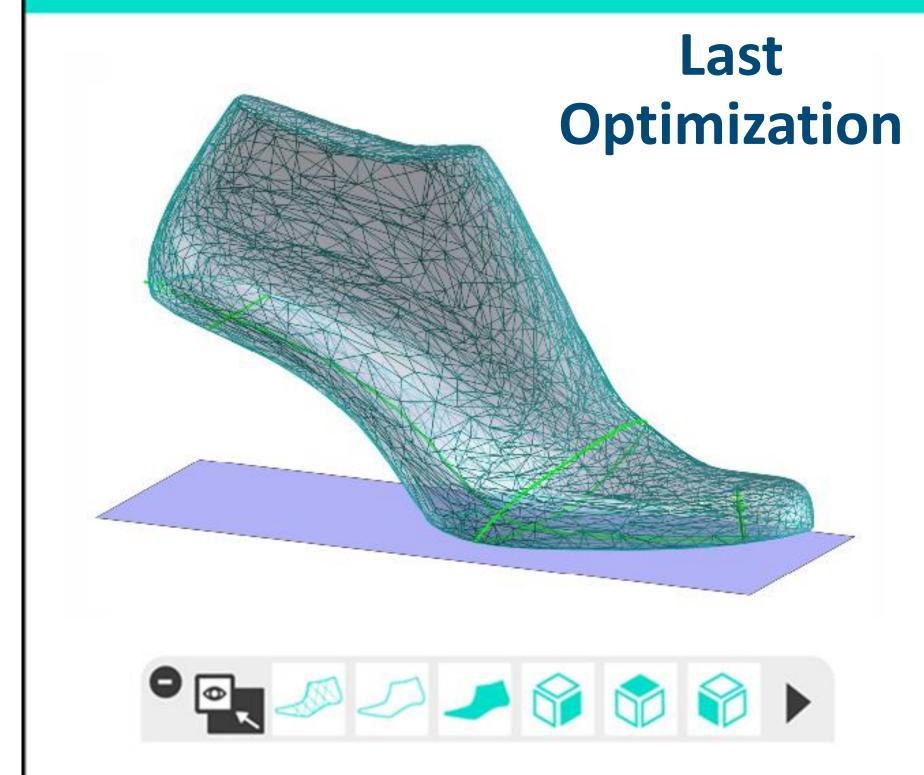








100% Auto



Mesure	Forme G	Optim.
Longueur de forme	239 mm	239 mm
Hauteur de talon	80 mm	80 mm
Pointure	36,4	37
Circonférence arrière-piec	220 mm	223 mm
Circonférence médio-pied	213 mm	208 mm
Circonférence avant-pied	145 mm	161 mm
Largeur talon	60 mm	56.5 mm
Largeur talon 1ère	50 mm	48 mm
Largeur métatarse	83 mm	80 mm
Largeur métatarse 1ère	83 mm	77 mm
Hauteur pouce	16 mm	16 mm
Angle assisetalon	20°	20°
Relève	8 mm	8 mm
Angle de vrillage	0,4 °	0,4 °
Conformité des volumes	65 %	87 %



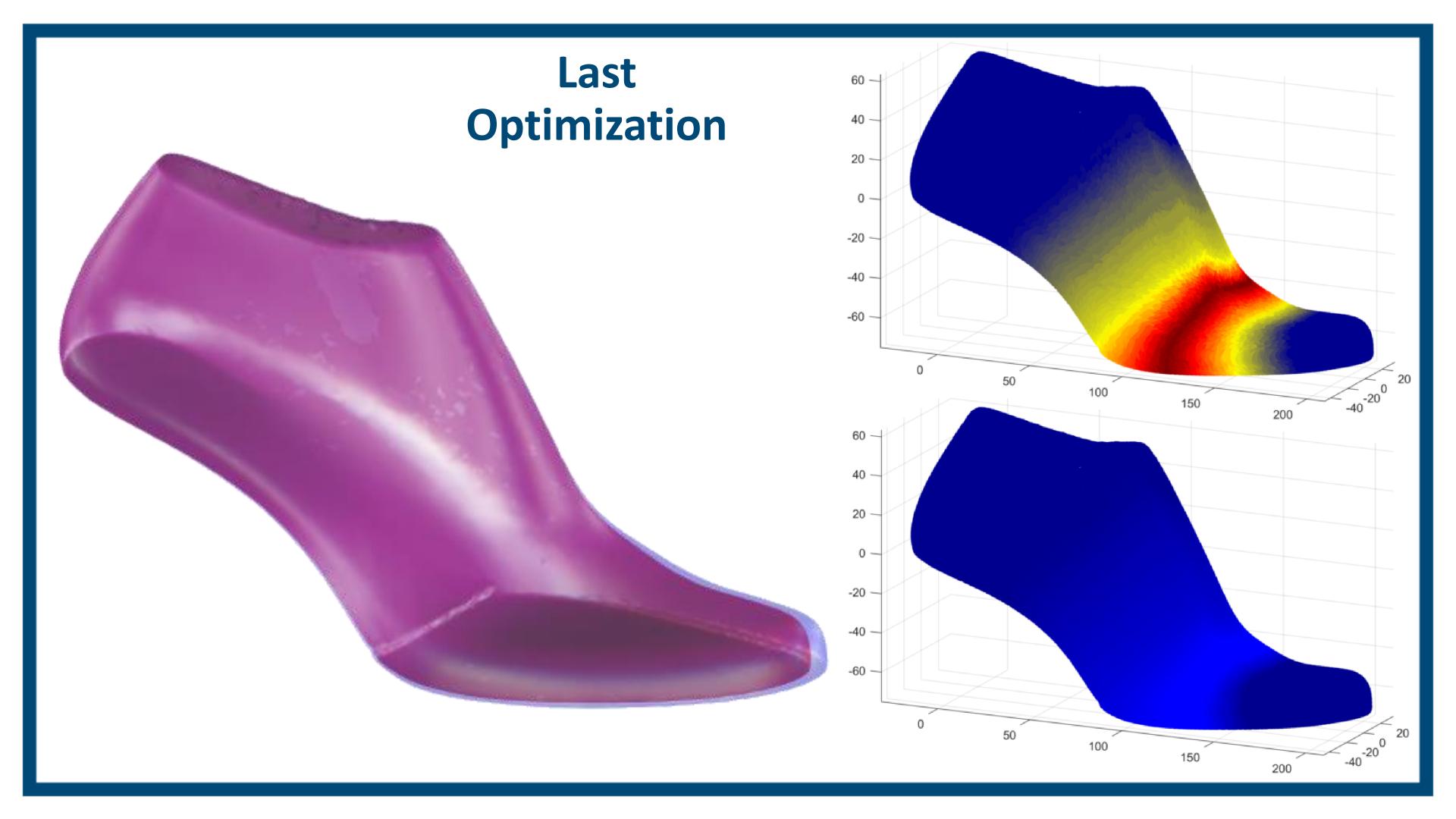












SOFTWARE







October 2018

Last Engineers - Online platform open to:
All footwear actors: manufacturers, brands and distributors
Requires no installation and no training





CONCLUSION







By failing to prepare, you are preparing to fail

Benjamin FRANKLIN

If you don't first make a good last Your first shoe will be the last

CTC and BLUE RIDGE

Thank you for your attention!



Christophe CUMIN - CTC - Head of shoe department Thursday May 17th 2018





