

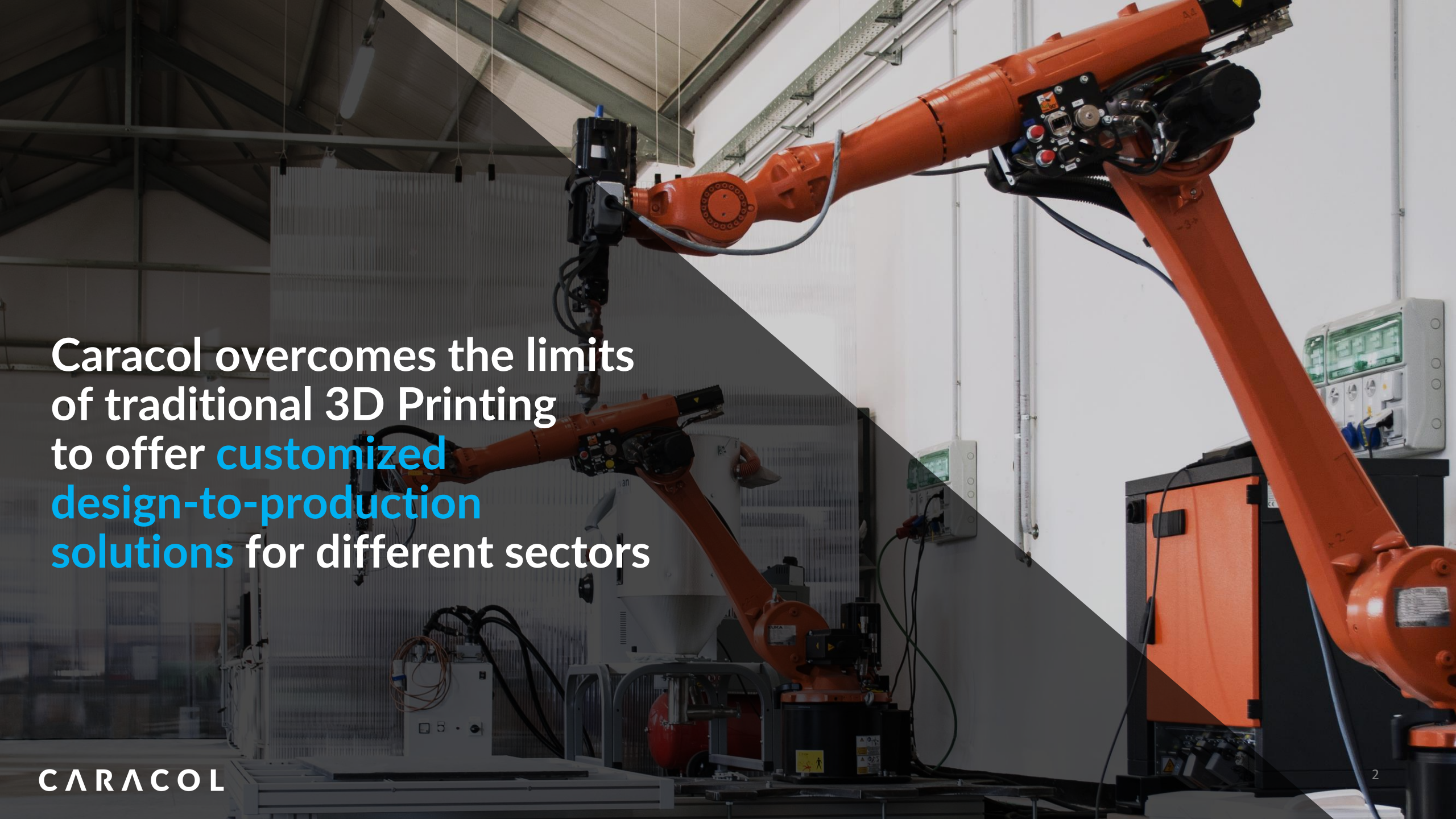
The background of the slide is a dimly lit industrial workshop. Two prominent orange robotic arms are visible, one on the left and one on the right, positioned over workstations. The ceiling features a complex network of metal beams and industrial lighting fixtures. The overall atmosphere is technical and modern.

CARACOL

At the Forefront of Additive Manufacturing,
Enabling Your Next Move

Space for Intelligent Health

3 November 2020

The background of the slide is a photograph of an industrial facility. Two large, orange robotic arms are visible, positioned over a work area. The facility has a high ceiling with exposed steel beams and various pipes. The lighting is industrial, with some areas being brighter than others. The overall scene suggests a manufacturing or production environment.

Caracol overcomes the limits
of traditional 3D Printing
to offer **customized
design-to-production
solutions** for different sectors

Our Value Proposition

Integrated know-how across all core competences

design, materials, hardware,
software & industry

Our tech range covers
all printing sizes,
our **proprietary robotic system**
prints large scale applications

We are a
1-Stop partner
for all advanced
Additive
Manufacturing
service solutions

Process an extensive range
of **materials: advanced**
polymers & carbon fiber
for industrial applications

Envision and create **innovative**
designs & techniques to print
complex geometries &
applications

The Industries we serve

**Automotive
& Motorsport**



**Aerospace
& Defense**



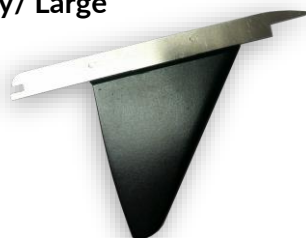
Energy
Oil & Gas
Renewables



**Medical
Devices**



Marine
Luxury/ Large



**Industrial
Machinery**



Design & Art
Retail Furniture
& Statues



How We Work



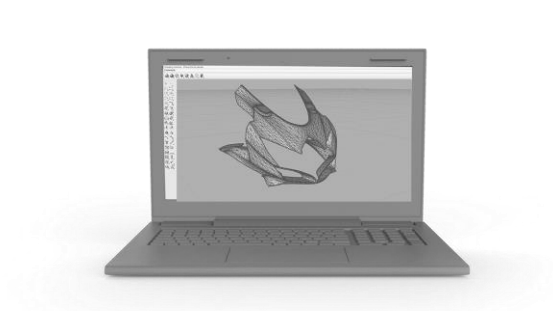
Preliminary Study

assess client's
needs



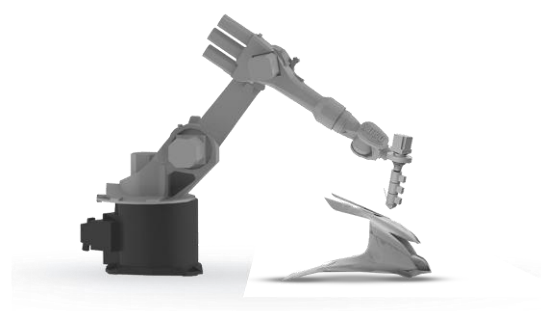
Engineering

design, material,
technology



Prototyping

first units
for testing



Line Production

manufacture series
up to 20'000 units





On top of working with state-of-the-art printers we developed our proprietary Additive Manufacturing Robotic System

- Print large scale & complex geometries
- Better material adherence for best mechanical properties
- High precision, compactness and resilience, for industrial applications and metal replacement
- Easy to use proprietary interface and control system
- Significant raw material cost savings
- Ability to process wide range of materials
- Drastic reduction in production time

2
patents
on the
technology
+
2 Patent
Pending

Our work in the Healthcare sector

CASE STUDY

Casing for medical device

SUMMARY

3D printed casing for beta testing of a new medical device that the client is releasing on the market

PRODUCT

Material

PP + Silicon

Production Volume

150 units

PERFORMANCE CRITERIA

Production flexibility

✓

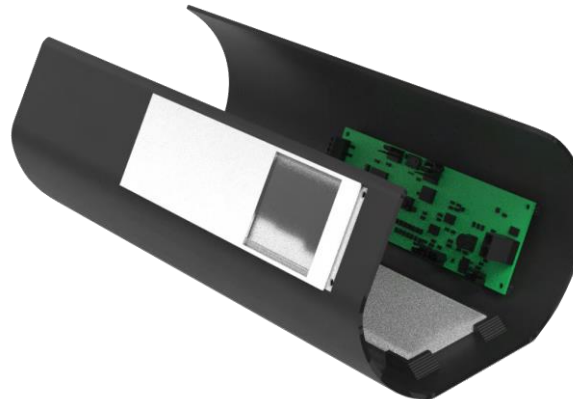
Materials certified for skin contact

✓

SAVINGS vs. CURRENT SUPPLIER

Cost saving

69%



CASE STUDY

Custom-made Prosthetic Leg

SUMMARY

Developed in together with an orthopedic manufacturer of prosthetic legs, this project was focused on finding a solution that allowed for: best fit, freedom of movement and to find an affordable, cost-efficient solution for amputated patients.

CARACOL

PRODUCT

Material

PAHT CF + Silicon

PERFORMANCE CRITERIA

Fully customizable to patient ✓

Certified for skin contact ✓

SAVINGS vs. CURRENT SUPPLIER

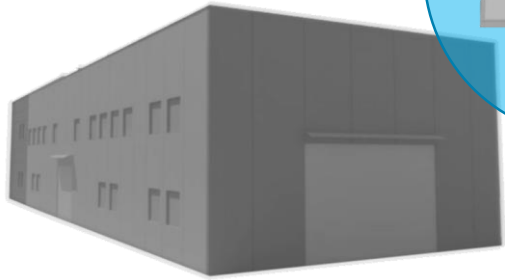
Cost saving

40%

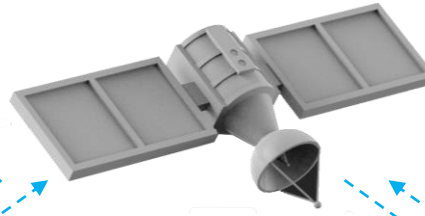


CASE STUDY

Caracol Production Facilities

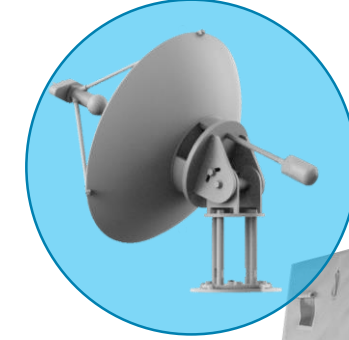


Caracol receives input and transforms into ready-to-print file, directly sent to printers for on-site, automatized production



From field, requests are sent to Caracol on specific components that are needed (file, photo, ...)

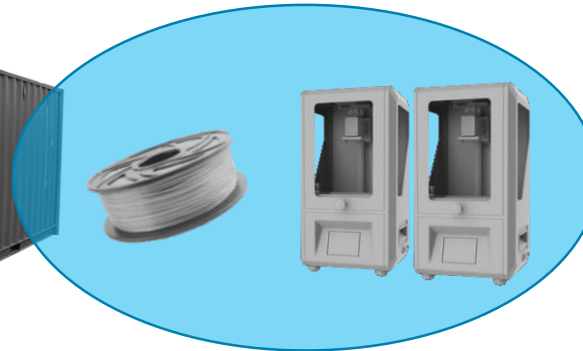
**On-site production
of healthcare components in
emergency locations**



Field Hospital in Remote Emergency Location



AM Production Cluster



Caracol sets up production unit, sending technology and raw material in container, to set up on-site in emergency location and trains personnel



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