



- Real-Time Technologies  
Industry 4.0

- Group presentation

## REAL-TIME TECHNOLOGIES INDUSTRY 4.0

01

02

Vection Technologies brings to the market **SaaS solutions and consulting services** for any digital transformation needs.

03

Vection Technologies is listed on the **Australian Securities Exchanges (ASX:VR1)** and is headquartered in Italy, with offices in Australia, USA and India.

04

05

### MAINTENANCE

Real-time technologies help save time by providing additional information and assisting workers in machine operations.

### MARKETING & SALES

Immersive, realistic and customizable product presentations improve communication and engagement with customers.

### DESIGN & ENGINEERING

Real-time technologies enable a faster, more efficient and affordable design process.

### MANUFACTURING

Optimizing plant and asset workflows management: real-time technologies reduce costs, increase product quality and ensure work safety.

### TRAINING

Immersive real-time technologies enable more dynamic and cost-effective training and induction programs.



## GLOBAL REACH

01

North America  
Headquarters  
San Francisco, U.S.

02

European  
Headquarters  
Bologna, Italy

03

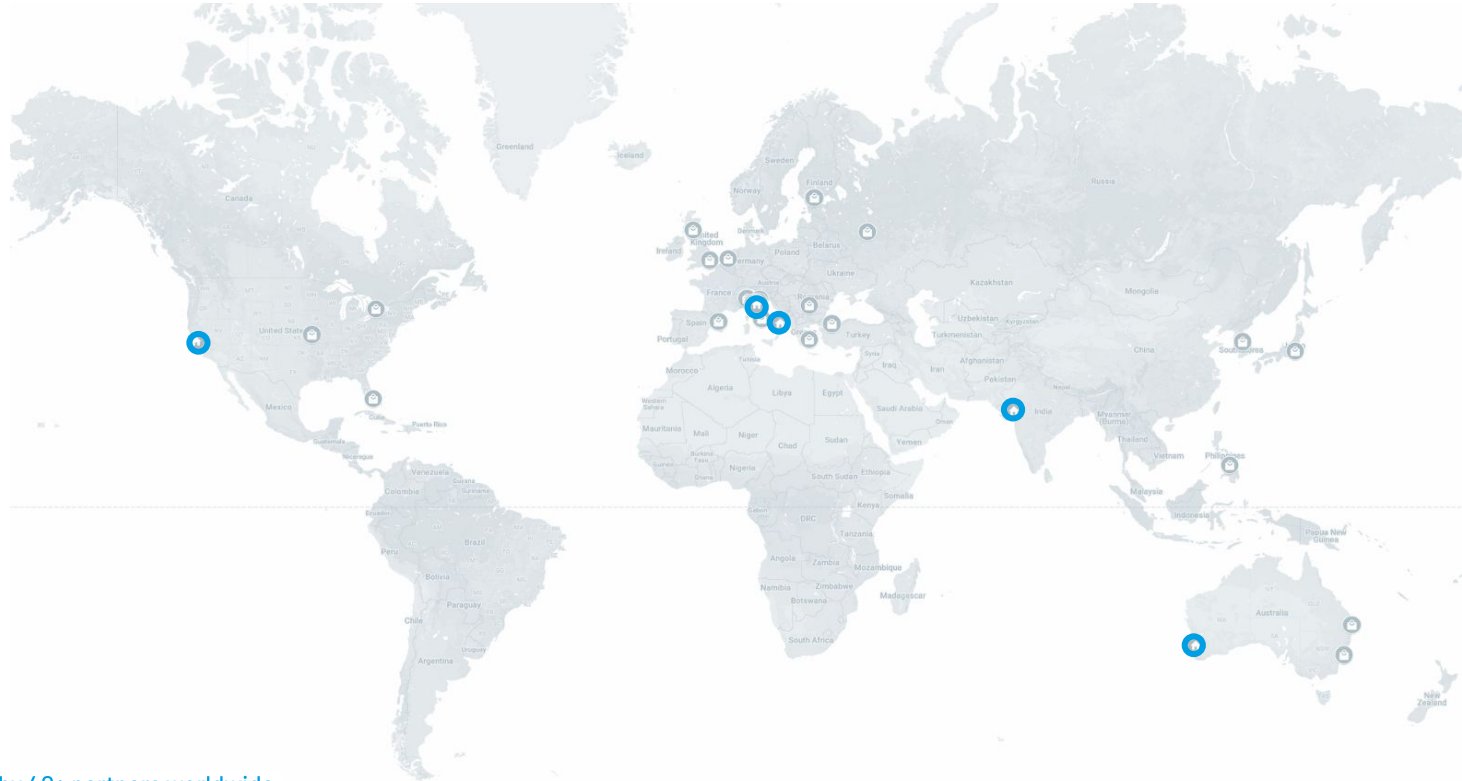
European R&D  
Bari, Italy

04

Operations  
India

05

ASX Headquarters  
Perth, Australia



Global presence supported by 40+ partners worldwide.

01

- AEC (Architecture, Engineering, Construction)

02

- AUTOMOTIVE

03

- INDUSTRIAL DESIGN

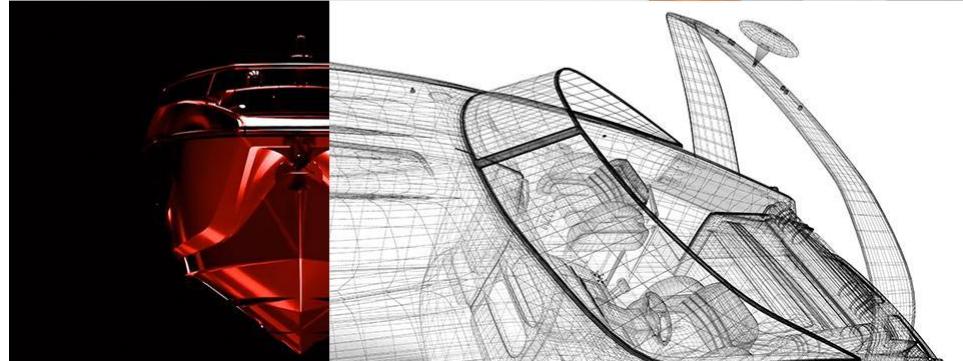
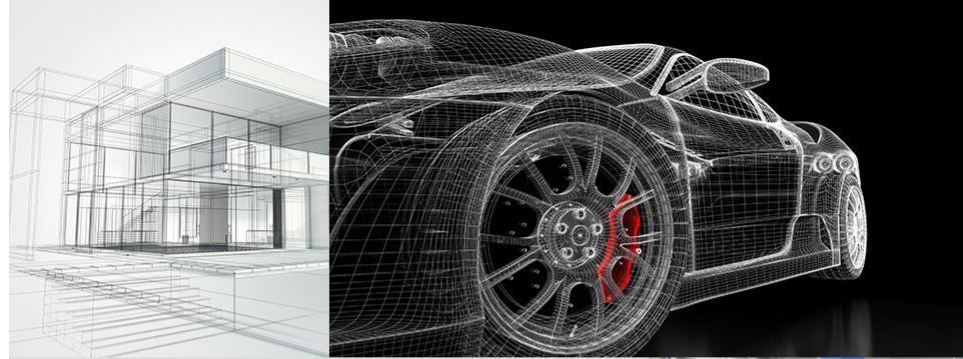
04

- HEALTHCARE

05

- TRAINING & EDUCATION

- FASHION & FURNITURE



01

02

03

04

## SOFTWARE PARTNERS



## HARDWARE PARTNERS



01

We have helped companies to achieve extraordinary results:

02

**-30% TIME TO MARKET**

03

**+20% DESIGN EFFICIENCY**

04

**-80% PROTOTYPING COSTS**

05

**-70% OF ERGONOMICS AND DESIGN ERRORS**



PRODUCTS & SERVICES

01



MINDESK

02



FRAMES



TRAINER CREATOR



CONFIGURATORS



CUSTOM SOLUTIONS

03

- |                        |                         |                        |                      |                        |
|------------------------|-------------------------|------------------------|----------------------|------------------------|
| ● REAL-TIME RENDERING  | ● ONLINE SALES          | ● EFFECTIVE TRAININGS  | ● CLIENT INVOLVEMENT | ● SOFTWARE DEVELOPMENT |
| ● IMMERSIVE REVIEWS    | ● PRODUCT CUSTOMIZATION | ● VR/AR MANUALS        | ● BETTER MARKETING   | ● VR/AR EXPERIENCES    |
| ● COLLABORATIVE DESIGN | ● TRAINING              | ● POST-SALE EXPERIENCE | ● INCREASE SALES     | ● VIRTUAL BOOTH        |
| ● VR 3D MODELLING      | ● REMOTE MEETINGS       | ● PRODUCT DEMOS        | ● ERP CONNECTION     | ● 3D MODELS            |

04

05

COMPANY PRESENTATION  
**VALUE CHAIN**  
**OVERVIEW**

01  
02  
03  
04  
05

**Shorter** time to market  
**Less** physical prototypes  
**Less** design errors  
**More** natural design  
**CoViD-19** workflow protection

**Higher** productivity  
**Less** training costs  
**Less** operative errors  
**Streamline** operations  
**ERP** integration

**Increased** sales  
**Less** transfer costs  
**Low cost** virtual showcase  
**New Clients** attraction  
**CoViD19-free** dealflow

**Improved** communication  
**Reduced** after sales costs  
**Better** onboarding/assistance  
**Higher** fidelization  
**Increased** satisfaction



R&D – Research and Development  
Real-Time CAD Renderings  
Virtual Reality CAD Viz & editing  
Virtual Prototyping  
Ergonomy validation  
Cloud CAD collaboration

Planning/ERP  
 Quality Assurance  
 VR layout plant design  
 AR Stock management  
 AR Safety and Logistics  
 AR/VR HR Management

Virtual Showcase  
AR / VR / Cloud  
Product Configurator  
 Dealer configurator  
 Dealer training tool  
 Innovative sale points

Employee Training  
 AR Remote Maintenance  
 AR/VR Manuals  
 AR accounting  
 Real-time cost and revenues monitoring



## VR and photorealistic rendering, in 1 click!

01 With Mindesk you can draw your CAD project in virtual reality from scratch or you can review it interactively, even collaborating with local colleagues.

02 **Zero export:** just 1 click from the CAD software and you're instantly in VR, without 3D model conversion.

03 Anything done in VR happens in real time on the desktop and vice versa. Moreover, the Live Link with Unreal Engine allows real time photorealistic rendering **featuring thousands of free available materials and assets.**

04 Mindesk supports **Rhino, Grasshopper, SolidWorks CAD** and **Unreal Engine.**



COMPANY PRESENTATION  
**PRODUCT SUITE**  
**MINDESK**

01

**Use it for:**

- REAL-TIME PHOTOREALISTIC RENDERING
- IMMERSIVE DESIGN REVIEWS
- COLLABORATIVE DESIGN
- VR 3D MODELLING

02

**Advantages**

- No export nor model preparation
- Design process acceleration
- Ergonomics/spatial visuals
- Reliable design error detection
- Physical prototype reduction
- Better communication

03

04



## Collaborate, locally or remotely

01 FrameS collaborative virtual environment allows users to see, manage and customize 3D models in real time, even remotely.

02 **How it works:** FrameS allows to import 3D models exported from CAD (VRED, MAYA, 3DSMAX, Deltagen, Solidworks, Solidedge, Rhino, etc...) or other sources in .fbx or .obj formats. Then you can visualize and/or customize them in virtual reality in real time.

03 **Remote collaboration up to 6 users in the same environment at the same time.**



COMPANY PRESENTATION  
PRODUCT SUITE  
FRAMES

01

**Use it for:**

- ONLINE SALES
- PRODUCT CUSTOMIZATION
- TRAINING
- REMOTE MEETINGS

02

**Advantages**

- Development time reduction
- Cost Reduction
- Design process improvement
- Better communication
- Sales increase
- Higher training efficacy

03

04



## TRAINER CREATOR

01

**Easily create immersive experiences to train your workforce or the final user.**

02

Trainer Creator is a platform to autonomously create a training or a manual for both internal or external audiences. You can export directly from your CAD in .obj or .fbx formats and then select the objects layout and animation sequences.

03

Users can learn on their own or even with a trainer in telepresence.

04

Immersive trainings accelerate the development of muscular memory, hence steepening the learning curve and increasing the effectiveness of the training, which results in **reduced costs**.

By increasing the awareness of dangers and best practices, your company will also **improve safety** and **boost productivity**.



## TRAINER CREATOR

01

### Use it for:

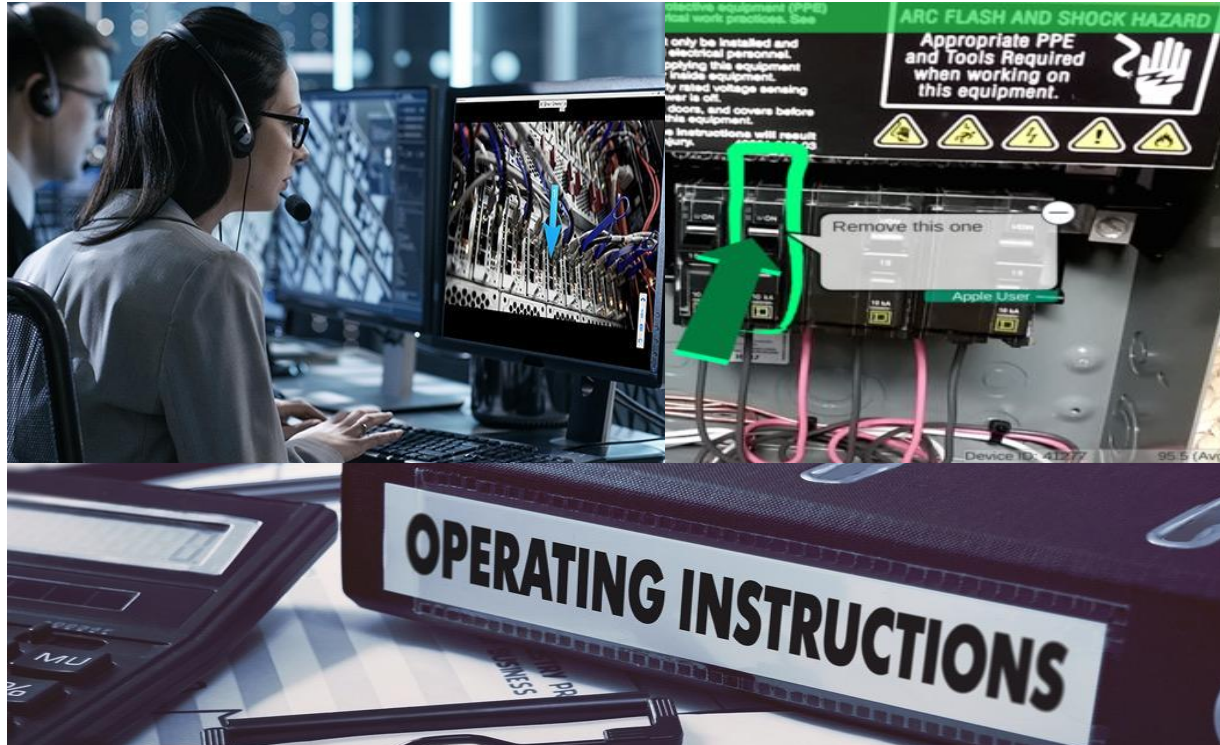
- CREATE IMMERSIVE TRAININGS
- VR/AR MANUALS
- POST-SALE EXPERIENCES
- PRODUCT DEMONSTRATIONS

02

### Advantages

- Realistic experience
- Autonomy in preparation
- Learning process acceleration
- Injury reduction / increased safety
- Reduced costs
- Higher client engagement

04



## CONFIGURATORS

3D REAL-TIME

01

Real-time 3D configurators can be used on the monitor or VR/AR to personalize any imaginable product.

02

Linked directly to the company ERP, this tool represent an easy tool to involve the customer in the customization of the products, which often yields **higher customer satisfaction**, **increased purchases** and a **quicker sales cycle**.

03

04

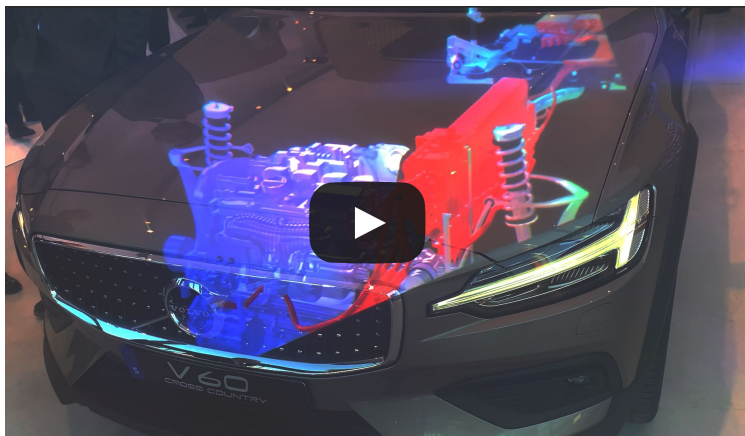


01



Unique experiences in augmented reality can be crafted on AR headsets, mobile devices and projectors.

02



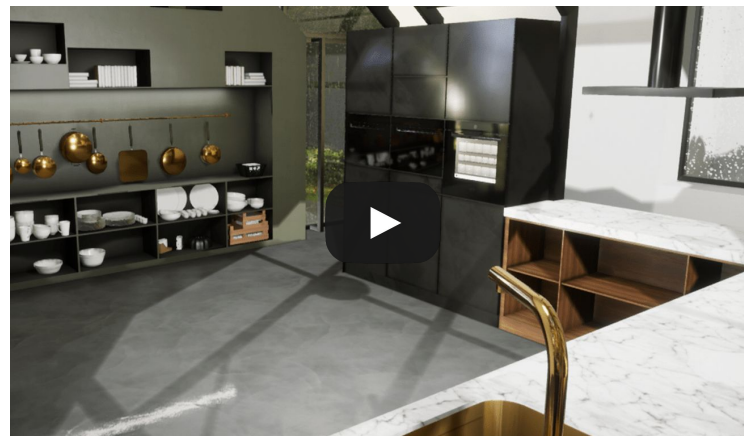
03

04



Haier

Any wish by the customer can be accommodated with tailor-made bespoke experiences





COMPANY PRESENTATION

SERVICES

## TRADE PLATFORM

VIRTUAL EVENTS & RETAIL

01

Virtual trade fair experience,  
ready in just 2 months.

02

No physical limits for layout or  
space that could be rented.

03

Retail experience in VR or AR,  
with product configuration.

04

Exhibitor/retailer personnel  
avatars can interact with users.

Ideal to extend event access to  
visitors with reduced mobility or  
to continue business in case of  
lockdown.





# VECTION TECHNOLOGIES

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