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— SENS3D, 30 years of robotics at your service

For more than 30 years I have brought my customers **expertise and mastery of robotics and industrial vision**. A former employee of FANUC Robotics and ACMA Robotique (ABB), I founded SENS3D in 1996 — named innovative company of the year for developing 3D software to manage robots at shop-floor level. Today I am returning to that ambition: beyond services, I am developing **S3D**, software that radically simplifies the programming of robotic cells.

SKILLS

- Consulting, feasibility, specifications, simulation, cycle time, robot & camera layout
- Implementation and programming of robots (FANUC, ABB)
- Programming of vision systems (Keyence, Fanuc, Omron, Cognex)
- Support for production start-up, team training

SOFTWARE MASTERY

FANUC: KAREL, RoboGuide, iRVision, TPE

ABB: RAPID, RobotStudio

YASKAWA: INFORM, MotoSim EG-VRC

STÄUBLI: VAL3, Stäubli Robotics Suite

KEYENCE: CV-X, XG

COGNEX: In-Sight

OMRON: FH, FZ

Languages: French, technical and professional English

EDUCATION

1996 — HEC Challenge+: innovative business creation

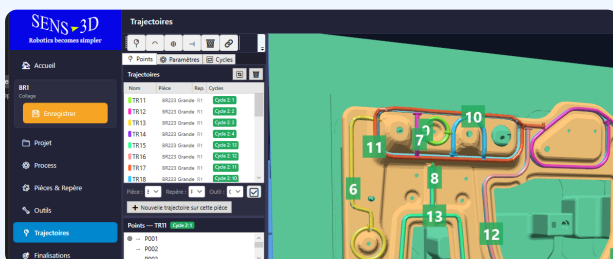
1985-1988 — ESIGELEC, Electrical Engineering degree, robotic processes specialty

NETWORKS

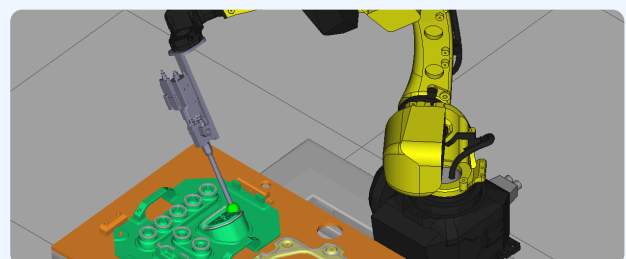
Member of **Proxinnov**, **Aquitaine Robotics** and **Réseau 3R**

— S3D: robot programming, directly on the 3D part

Programming a dispensing application (gluing, deburring, welding...) takes hours of point-by-point teaching, with the robot stopped. With S3D, draw your trajectories on the 3D part, simulate the complete cell, export the ready-to-use program and follow production.



Trajectories drawn directly on the part



The exported program, run in RoboGuide (FANUC)

- ✓ 3D import
- ✓ Frames & fixtures
- ✓ Process parameters
- ✓ Multi-brand export
- ✓ Production follow-up

— Selected references

SOCOPRESSES SN [Mehun-sur-Yèvre \(18\)](#)

2018 — **WILO INTEC**: assembly cell for heating-controller housings. Layout assistance, programming of the 5 FANUC robots and 5 KEYENCE cameras (2 XG and 3 CV-X) with part-type checking.

2010-2011 — **NEXTER**: machining cells with 10 machines (including 2 lathes and 1 3D inspection), 2 loading/unloading cells. Programming of 4 FANUC 6- and 7-axis robots, 2 onboard COGNEX cameras. Maintenance training.

ARIES Packaging [Troyes \(10\)](#)

2016-2017 — **LVMH Group**: case-packer loading robots (16,700 bottles/hour).

2013 — **DANONE Group**: robot for depalletizing carton blanks and machine loading. Study and programming. ABB robot, OMRON camera.

CERMEX [Corcelles-lès-Cîteaux \(21\)](#)

2014-2015 — **Flexiload project**: study and development of a depalletizer loading case packers (blanks or American cases). Complete pallet definition on the HMI, without a teach pendant; stack location by laser sensor. FANUC robot.

2013 — Robot for depalletizing blanks with loading of 3 magazines.

CLEIA [Nolay \(21\)](#)

2007-2016 — Robotics technical partner of the terracotta industry: on-the-fly picking (tracking) with vision, palletizing... FANUC robots, OMRON and COGNEX cameras.

DÜRR [Courbevoie \(92\)](#)

2002-2003 — **UPM2000 PSA Mulhouse**: project manager for the robotized paint and anti-chip sector (budget €40M out of €180M). Coordination, planning, technical specifications, consistency of the installations (3 sectors, 3 companies of different nationalities), safety and operating modes, FMEA studies, on-site tests. DÜRR robots.

— Fields of application

Dispensing / gluing

Deburring

Painting

Palletizing

Depalletizing

Tracking

Machine loading

Material handling

Machine vision

Integration

— Who is my offer for?

For **small companies** that need know-how, as well as **large companies** looking for outside input to evolve their solution or develop a new offer.