



SOLDAMATIC 

AUGMENTED TRAINING TECHNOLOGY FOR WELDING

Welding Training &
Performance Digitalization
Solution

2019

VALUE PROPOSITION

EDUCATION

Attract the new generation of young people to welding, train them better, safer, faster and reducing costs.



Metal Manufacturing Vocational Schools, technical universities.



Attract students
Improve safety
Spark future welders

FACTS & FIGURES

Thousands of units in **+50** countries worldwide

+750 clients in Education & Industry

+90.000 professionals trained

WHAT IS SOLDAMATIC IE

Soldamatic IE is the first Welding Training Solution powered with Augmented Reality (AR) in the world.

Soldamatic IE is the third generation Soldamatic platform, it applies new technologies like AR to enhance the learning process and uses real welding equipment to develop skills and muscle memory.

It applies gamification to improve the motivation of trainees, personalized learning to adapt to their personal needs and green & safe technology to reduce the risks for newcomers and pollution.

ADVANCED

Bridge the gap with Industry, train in AR with competition multi-joints and different industry applications.



Welding Training Centres.



Improve efficiency
Reduce costs
Prepare for Industry & Welding Competitions



68%

average consumable savings



56%

real workshop time reduction



Increase the arc-on time by

3 to 5 times



34%

more certified trainees for IW than traditional methodology

INDUSTRY

Improve the productivity of the real welding operations on the field and reduce failure rate in industry recertification processes.



Industrial companies.



Improve productivity
Reduce % failure in recertification
Train better welding professionals



Educate

4 times more

students while keeping your existing lab infrastructure

**Real case study of a Soldamatic classroom in a Welding Centre*



The **AUGMENTED TRAINING** METHODOLOGY

Augmented Training proposes a new educational paradigm that promotes intensive practice, it is a dynamic and flexible model, which allows instructors to easily manage different courses with numerous students, regardless of their level of knowledge and/or learning pace.

Each student can join the training at any time, and only progresses once each stage has been satisfactorily completed, which allows them to set their own learning pace and guarantees a high level of qualification.



SOLDAMATIC E-LEARNING

Curricula, Tests & Analysis Module



AUGMENTED TRAINING



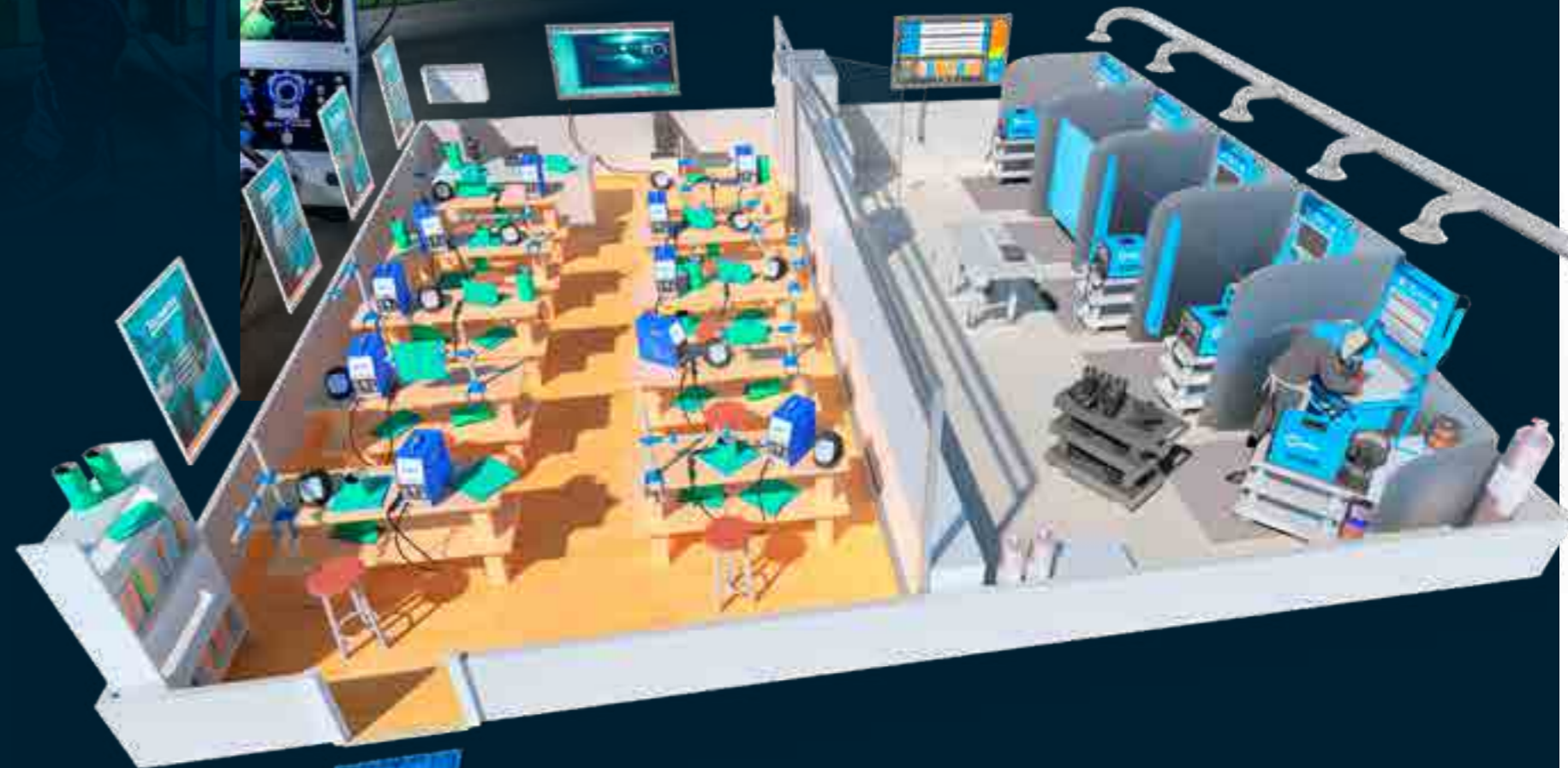
PRACTICE WORKSHOP

Manufacturing Industry



STUDENTS SIMULATOR

Augmented Reality (AR) Practices



LICENSES

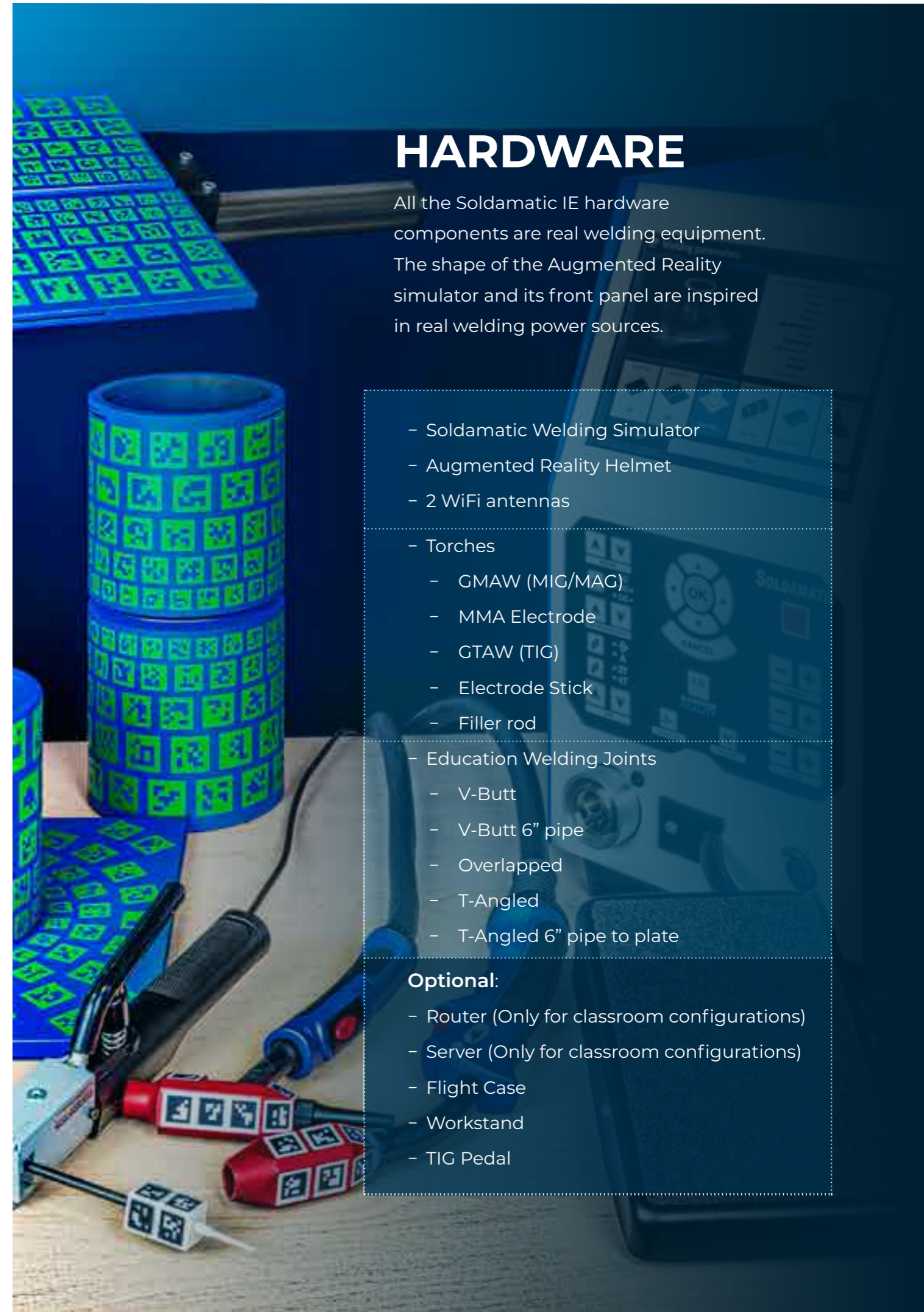
Start digitalizing your welding training programme with a flexible software subscription system today. Acquire your license yearly, for three years or lifetime.

HARDWARE +3 SOFTWARE SUBSCRIPTION OPTIONS	EDUCATION	ADVANCED	INDUSTRY
WELDING			
Specific Software for Education Welding Joints (EWJ)	On	Off	On
5 Education Welding Joints	On	Off	On
Specific Software for Advanced Welding Multijoints (AWM)	Off	On	On
Specific Software for Industrial Welding Multijoints (IWM)	Off	On	On
Specific Software for TIG Pedal	Off	On	On
Base Materials			
• Carbon Steel	On	On	On
• Stainless Steel	Off	On	On
• Aluminium	Off	On	On
Thicknesses			
• 3, 6 & 10 mm	On	On	On
• 2 & 15 mm	Off	On	On
Processes			
• GTAW, GMAW, FCAW, SMAW	On	On	On
LEARNING			
Soldamatic eLearning	On	On	On
Augmented Training Methodology Course	On	On	On
Soldamatic Welding Curricula (Welding Initiation Course)	On	On	On
International Welder Program by IIW	Off	On	On
Analysis Module	On	On	On
Advanced Analysis Module for Welding Multijoints	Off	On	On
SERVICES			
Customer Area Access	On	On	On
Technical Support	On	On	On
Remote Assistance	On	On	On

HARDWARE

All the Soldamatic IE hardware components are real welding equipment. The shape of the Augmented Reality simulator and its front panel are inspired in real welding power sources.

- Soldamatic Welding Simulator
- Augmented Reality Helmet
- 2 WiFi antennas
- Torches
 - GMAW (MIG/MAG)
 - MMA Electrode
 - GTAW (TIG)
 - Electrode Stick
 - Filler rod
- Education Welding Joints
 - V-Butt
 - V-Butt 6" pipe
 - Overlapped
 - T-Angled
 - T-Angled 6" pipe to plate
- Optional:**
 - Router (Only for classroom configurations)
 - Server (Only for classroom configurations)
 - Flight Case
 - Workstand
 - TIG Pedal



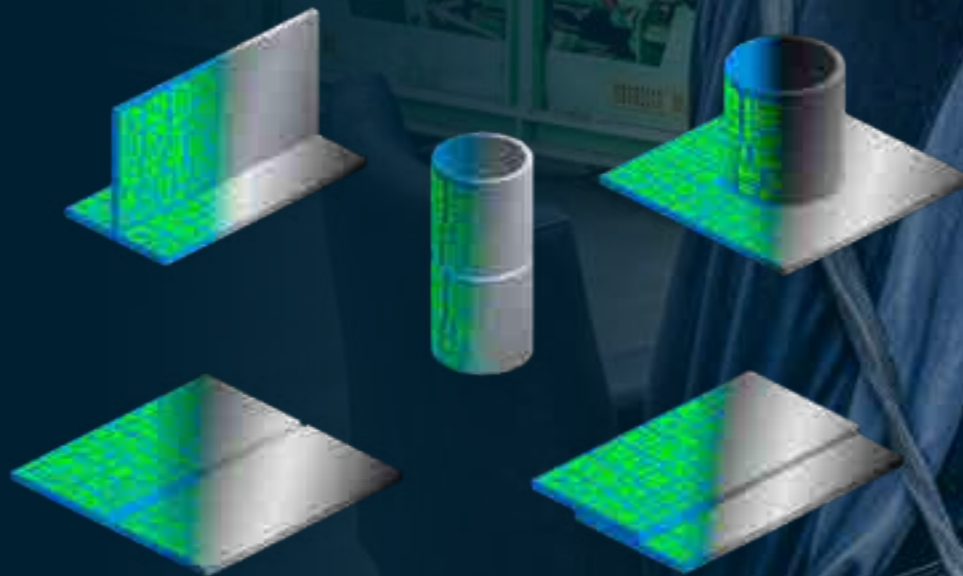
JOINTS



Education Welding Joint

The most used joints
in welding training &
certification worldwide.

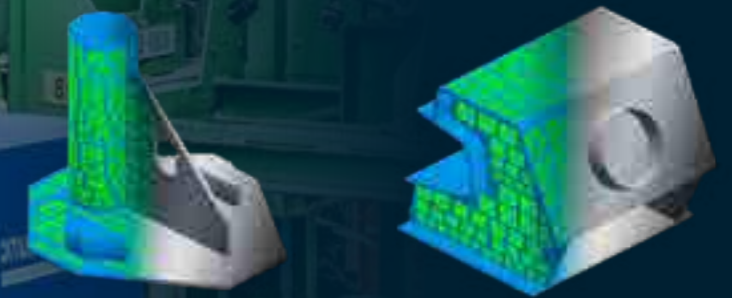
- V-Butt Plate
- V-Butt 6" Plate
- Overlapped Plate
- T-Angled Plate
- T-Angled 6" Pipe to Plate



Advanced Welding Multijoint

Developed for International Welding
Competition and different industries.

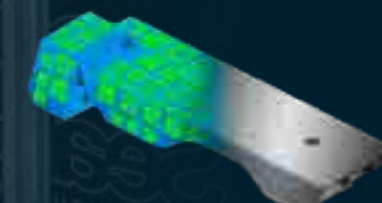
Different thicknesses, welding sequences
and challenging positions in the same piece.



Industrial Welding Multijoint

Made to meet customer specific training and
performance needs.

Bring your real pieces to Augmented Reality, train
your welders with these augmented pieces and
reduce costs and recertification failure.



CONTENTS

High quality welding curricula developed by international experts to be performed with Soldamatic IE. These courses will allow instructors to teach welding according to the most demanded international standards and using the innovative Augmented Training methodology of Soldamatic.

The Advanced and Industry licenses include the International Welder program according to the Guideline IAB-089 from the European Welding Federation (EWF) and International Institute of Welding (IIW), designed to be taught with Soldamatic IE, and also suitable for the acquisition of the SENSE certificate from the American Welding Society (AWS).

Soldamatic IE contents include theory, tests and welding practices ready to be performed in different difficulty levels, with or without help icons.

Upload your own welding courses or take advantage of the digital training content specifically developed for Soldamatic IE.

Contents provided by:



**International
Welding
Experts**



SOLDAMATIC E-LEARNING

Learning Management application, focused on helping instructors to manage the whole training program, monitor and assess the trainees' performance and generate statistics and reports.



WELDONE

WELDING SOLUTIONS & PRODUCTS ONE GLOBAL PARTNER

VENDITA
NOLEGGIO
ASSISTENZA TECNICA
FORMAZIONE
CONSULENZA

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GAS TECNICI • MATERIALI E IMPIANTI PER SALDATURA E TAGLIO • IMPIANTI DI ASPIRAZIONE • SCUOLA DI SALDATURA

Seabery is an international company pioneering the development of Augmented Reality (AR) for professional training.

We are leading the market of Augmented Reality training solutions thanks to our large worldwide network of partners within industry, institutions and education.

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