

*safety*TRAINING  
CESE COURSE  
Certified Electrical Safety Engineer



## Inform, Educate, Develop

Safety is our Subject

Whether operations manager, machine designer or service technician – the safety of machinery and equipment affects everyone. That is why Wieland is offering the CESE Course for those interested. This focused course is held by qualified experts in different subjects such as liability issues, legal principles and technical or normative matters.

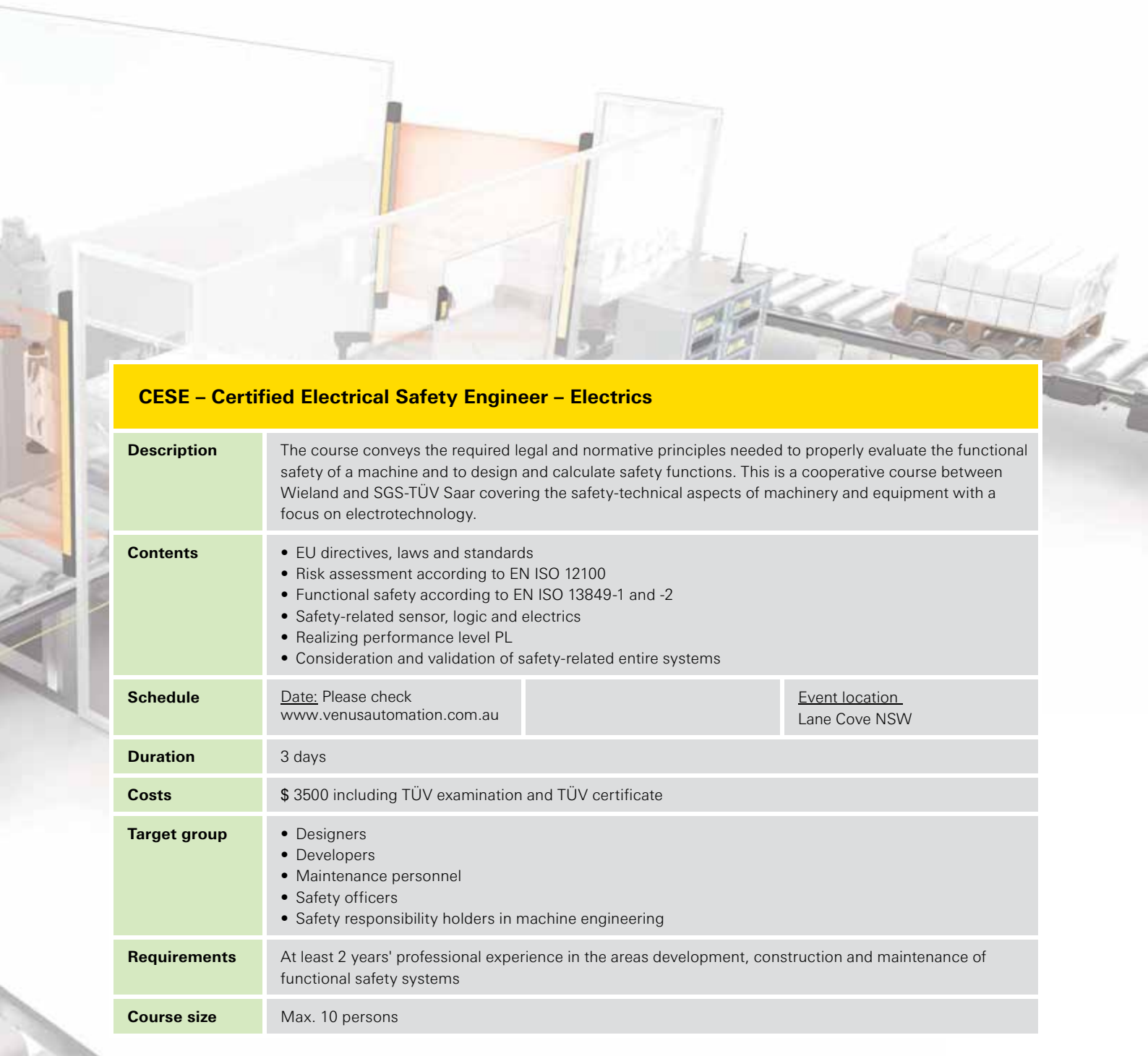
We aim to help you gain an overview of functional safety! In these practical seminars, we provide you with up-to-date expert knowledge about laws, guidelines and standards in a concise form. You can keep up with developments without taking time away from concentrating on your core business.

Our training course is constructed to give you a professionally recognised qualification and become a competent practitioner and knowledgeable in the key areas related to machine safety. Our expert trainer and support team will be able to directly address your questions and concerns throughout this course – and not only for questions in the legislative and standards issues but also for electrotechnical and software areas.

At the same time, the conception, structure and delivery of our training corresponds to the relevant laws and general standards. This is why our 3-day CESE seminar is certified by SGS-TÜV Saar.

We look forward to hearing from you.





### CESE – Certified Electrical Safety Engineer – Electrics

<b>Description</b>	The course conveys the required legal and normative principles needed to properly evaluate the functional safety of a machine and to design and calculate safety functions. This is a cooperative course between Wieland and SGS-TÜV Saar covering the safety-technical aspects of machinery and equipment with a focus on electrotechnology.	
<b>Contents</b>	<ul style="list-style-type: none"> <li>• EU directives, laws and standards</li> <li>• Risk assessment according to EN ISO 12100</li> <li>• Functional safety according to EN ISO 13849-1 and -2</li> <li>• Safety-related sensor, logic and electrics</li> <li>• Realizing performance level PL</li> <li>• Consideration and validation of safety-related entire systems</li> </ul>	
<b>Schedule</b>	<u>Date:</u> Please check <a href="http://www.venusautomation.com.au">www.venusautomation.com.au</a>	<u>Event location:</u> Lane Cove NSW
<b>Duration</b>	3 days	
<b>Costs</b>	\$ 3500 including TÜV examination and TÜV certificate	
<b>Target group</b>	<ul style="list-style-type: none"> <li>• Designers</li> <li>• Developers</li> <li>• Maintenance personnel</li> <li>• Safety officers</li> <li>• Safety responsibility holders in machine engineering</li> </ul>	
<b>Requirements</b>	At least 2 years' professional experience in the areas development, construction and maintenance of functional safety systems	
<b>Course size</b>	Max. 10 persons	

