



Suomen Hitsausteknillinen Yhdistys
The Welding Society of Finland

OF THE WELDING INDUSTRY IN THE FRONT



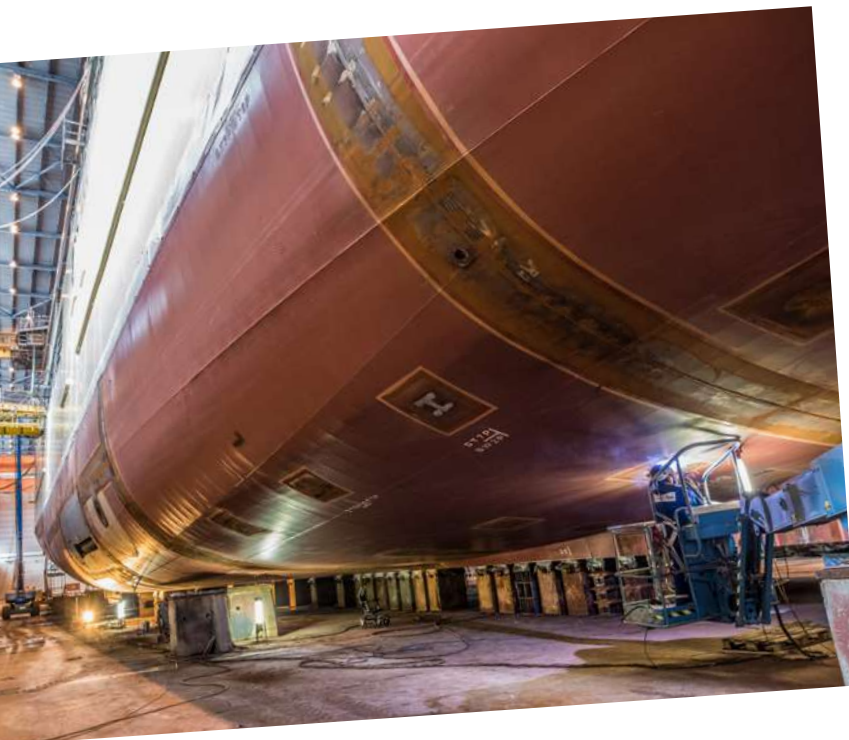
Top-class welding knowhow in arctic conditions

Welding plays a central role in all steel construction, whether it comes to mechanical engineering, building industry, shipyards, bridges or wind power. In Finland, the expertise has been perfected due to arctic conditions – if welding can endure here, it can endure any conditions. Finnish steel construction, mechanical engineering and expertise in the welding industry are appreciated internationally.

The welding industry develops constantly, the materials change, the requirements for welding increase and new techniques are being developed all the time. Automation plays an increasingly

bigger role but manual techniques are still needed. Different welding techniques are being largely applied in Finland and we have expertise when it comes to processing difficult materials, such as high strength steels.

Strong expertise is needed in order to achieve high-quality results – this increases the demands set for education. The welding education in Finland is top class and we are also pioneers in terms of responsibility. The welding of tomorrow has to be durable in many different ways.





Membership of EWF and IIW offers the opportunity to network and participate in welding's international non-cooperative and research.



The Welding Society of Finland (WSF)

WSF is a professional membership organisation for welding and allied joining processes and for thermal spraying. WSF contributes to the development and reputation of the industry, both domestically and internationally. We service experts by offering information, services and education. We manage the IIW/EFW welding training and qualification programs in Finland. We aim to standardize worldwide practices by close-knit international cooperation.

WSF is a member of International Institute of Welding (IIW). IIW events such as the Annual Assembly and International Conference, hosted by Member Societies in locations around the world,

provide unique opportunities for experts, practitioners and accompanying persons to meet and network at both professional and personal levels.

WSF has an important role when it comes to gathering different actors together to discuss and develop the industry. We offer our members a great opportunity to network with companies, communities, educators, authorities, experts and other actors both domestically and internationally. We have particularly active cooperation with our Nordic sister associations.

Influencing since 1949

1989

- WSF became a member of European Federation for Welding (EFW).
- WSF hosted the Annual Assembly and International Conference of IIW.

1988

- Educational activities began and the qualification & education committee was founded.

1963

- WSF hosted the Annual Assembly of IIW.

1949

- The Welding Society of Finland (WSF) was founded.
- WSF became a member of International Institute of Welding (IIW).
- The publishing of Hitsaustekniikka (Welding Technology) magazine began.

1990

- The first welding engineers (EWE/IWE) educated in Finland graduated.

2006

- Nordic Welding Expo fair was arranged for the first time.

2015

- WSF hosted the Annual Assembly and International Conference of IIW.

2018

- Experts that have received the qualification education are now over 10 000.

2022

- The publishing of digital Hitsaustekniikka (Welding Technology) magazine began.





Our company and community members consist of leading experts in the industry. Read more!

Membership benefits

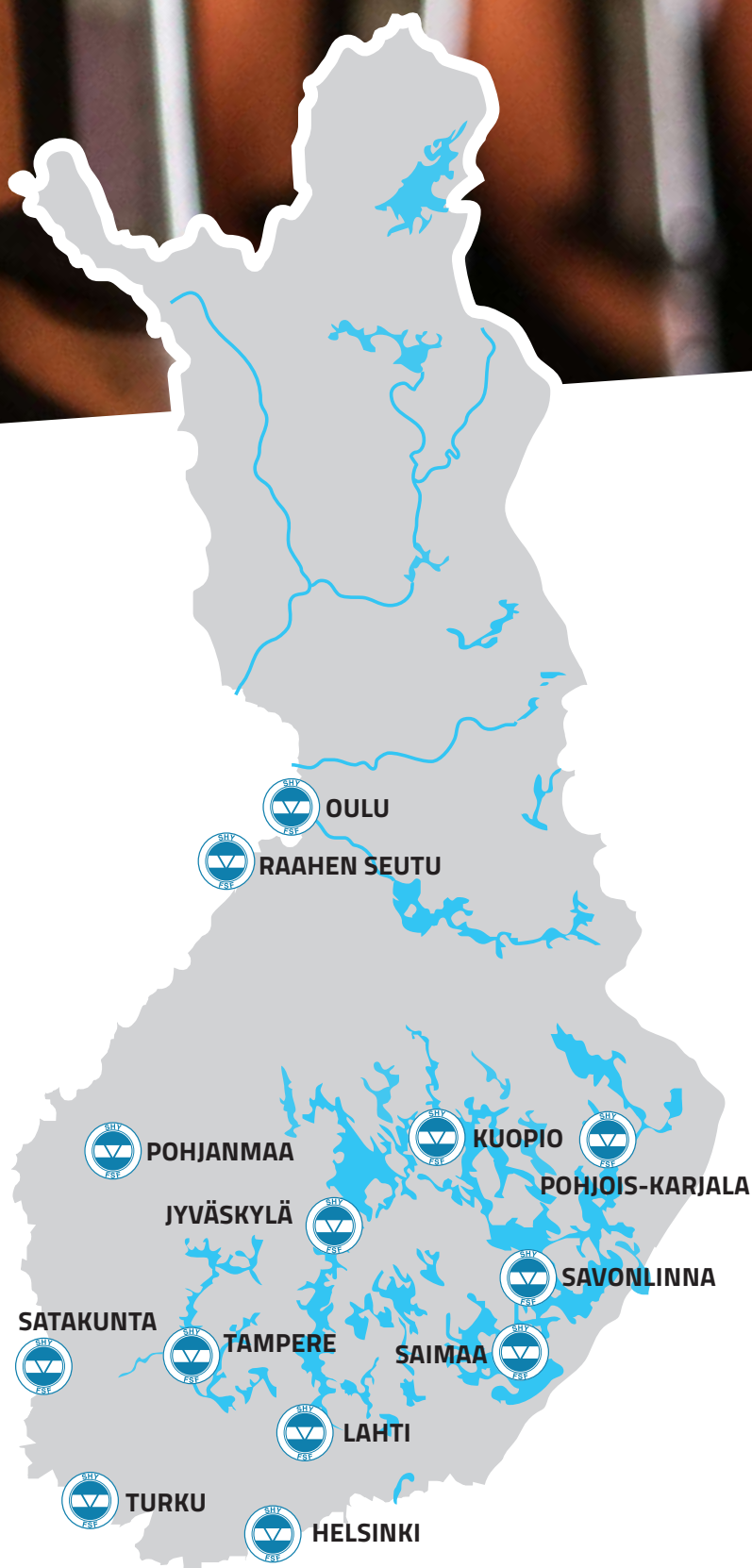
Individual who work, have worked, are studying or are interested in fields of welding and thermal spraying can become a personal member of WSF. In addition we have corporate and community members. Our members consist of approximately 2000 experts in welding and thermal spraying and approximately 140 corporate or community members.

Membership offers tremendous opportunities that can be exploited according to member's interest and activity. Together with our local branches, we offer our members information, support, events, education and excellent networking possibilities. Our members have direct access to newest information. The affordable cost of the membership includes for example Hitsaustekniikka (Welding Technology) magazine that comes out six times a year and discounts on events organised by WSF and partners..

Local branches

The local branches are an active part of the Welding Society of Finland. They organize educational activities suitable for the needs of their own area, briefings and other events. Even recreational activities are being organized during the year, such as cruises in the summer and ice fishing contests in the winter.

By taking part in the activities of the local branches members can easily network with actors in their area.





Many ways to network

In addition to local branches WSF has many other networks. We are active and gather a lot of experience and know-how in different committees and forums.

THE ACTIVITIES OF COMMITTEES AND CLUBS IS CONCENTRATED ON CERTAIN THEMES, SUCH AS:

- **Governing Board (Qualification & education)**
- **Committee for the quality of welding**
- **IWQ – International Welding Qualified Club**
- **Senior member clubs**
- **The forums of Suomen Hitsaus- ja liittämisinstituutti** offer the representants of companies and communities that are interested in different parts of the industry the possibility to network with other people, companies and educational institutes that are interested in the same themes. Membership fees are a part of the financing of master's thesis, research projects, theme days, interesting visits and international cooperation.
- **HRO Planning Forum** was founded as a meeting place for designers of welded structures and researchers. Companies that manufacture site machinery, transportation equipment, carriers and demanding structures, companies that deliver materials for their manufacturing and firms of engineering that design and make strength calculations for welded and demanding steel structures are a part of the forum.
- **Laser Forum** has members that are interested in laser beam machining and additive manufacturing. During the meetings the members get the chance to learn about companies that use laser and 3D-printing. Fair visits, seminars, corporate visits as well as the planning and execution of Lasertyöstöpäivät and other events are included.



A lot is happening in the welding industry

During the year, a lot of domestic and international events related to the welding industry are being held, such as fairs, webinars and contests. In addition to the society's own events WSF takes part in organizing the biggest fair in the Nordic countries, Nordic Welding Expo,

that is being held every other year. Nordic Welding Expo offers a cross-section through new products and innovations in the industry. This number one event in welding is a unique meeting place for professionals, future experts and the most interesting companies.



Nordic Welding Expo is the biggest fair in welding in all of the Nordic countries
www.nordicweldingexpo.fi





Hitsaustekniikka magazine

Hitsaustekniikka (Welding Technology) magazine is an important perk for WSF members. The appreciated magazine, that comes out six times a year both as a printed and as a digital version, offers latest information from experts and central actors in welding and thermal spraying.

The themes of the magazine include for example different welding methods and appliances, research related to welding, additive manufacturing, welding additives, how different materials can be welded, the automation of welding, thermal

spraying, productivity and costs, quality control and testing, education and qualification, work safety in the welding industry, events and much more.

WSF and its local branches, committees, clubs, technic actors in the industry and corporate and community members inform about their activities in Hitsaustekniikka magazine. Also international actors can announce in the magazine or offer articles to be published, although the magazine is published in Finnish.



Go through the media card and upcoming themes, announce in the magazine and reach out to actors in the industry!



Education in the welding industry

Education in the welding industry consists of degree & continuing education as well as different qualifications.

Expertise acquired by international qualification education in welding is proved by a large theory exam and practical qualification exams. In Finland, qualification education is organized by approximately 40 training bodies. The WSF Governing Board manages the international qualification education system in welding in Finland.

WSF developes the educational possibilities of training bodies by conducting first-timer, renewal and follow up audits.



International education

Since the beginning, Finland has actively taken part in developing educational programs and utilizing them in different areas of welding. The central purpose, to unify the education and to harmonize the expertise, has been filled with international qualification education. The international IIW/EFW education in welding has set an example for other European education when it comes to harmonizing.



**EFW - European Federation
for Welding,
Joining and Cutting**
Read more at
www.efw.be

When the education is integrated as a part of the educational system, the implementation becomes more unified and makes it possible to harmonize both the education and the expertise. Companies appreciate international qualification education programs and the tutoring and expertise provided by them. The qualification gives a clear picture about the applicants' expertise and makes it easier for companies to recruit both nationally and internationally.



**IIW - International Institute
of Welding**
Read more at
www.iiwelding.org

Suomen Hitsausteknillinen Yhdistys ry (SHY)
The Welding Society of Finland (WSF)

Mäkelänkatu 36 A 2
FI-00510 Helsinki

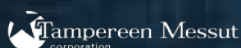
Tel. +358 (9) 773 2199

info@shy.fi
www.hitsaus.net



NORDIC WELDING EXPO

Exhibition for Cutting & Joining



TAMPERE EXHIBITION AND SPORTS CENTRE



IN COOPERATION WITH



Suomen Hitsausteknillinen Yhdistys
The Welding Society of Finland

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