FEDERATION AERONAUTIQUE INTERNATIONALE



INTERNATIONAL PARACHUTING COMMISSION

Norwegian Skydiving Federation OFFICIAL BID FORM

23rd FAI World Cup of Formation Skydiving and 15th FAI European Formation Skydiving Championships 14th FAI World Cup of Artistic Events and 12th European Artistic Events Championships Voss, Norway, August 31 – September 5 2021

- 1 Event Organisers
- 1.1 FAI Member/NAC

Norwegian Air Sports Federation

Møllergata 39 0179 Oslo

Contact person: Jan Erik Wang

E: jan.wang@nlf.no

T: +47 907 04 646 http://www.nlf.no/fallskjerm

1.2 IPC Delegate

Trude Sviggum

E: trudesviggum@hotmail.com

T: + 47 930 67 767

1.3 Organising Committee

Andreas Håland Hemli, E: andreas@skydivevoss.no

Trude Sviggum, E: trudesviggum@hotmail.com

Hans Christian Amlie, E: hans.amlie@communicate.no

Carl-Erik Tuv, E: spjeldnt@online.no

1.4 Application fee

Proof of payment sent by email to the IPC Bureau.

Banking information for IPC refunds to the Organiser or the NAC needed for a return of the application fee if the bid is not accepted:

IBAN NO4050020501577 BIC / SWIFT DNBANOKK Den Norske Bank, N-0222 Oslo, NORGE

1.5 Commercial rights

As per FAI rulings.

1.6 Distribution or revenue

According to FAI by-laws 5.2.1

- 2 Event Details
- 2.1 Full Name of the Event

23rd FAI World Cup of Formation Skydiving and 15th FAI European Formation Skydiving Championships 2021

14th FAI World Cup of Artistic Events and 12th European Artistic Events Championships 2021

- 2.2 This application is issued by Skydive Voss. Please see Appendix A for letter of approval from the Norwegian Air Sports Federation and Voss Tourist Office/Destination Voss. Letter of approval from Voss Municipally will be attached later.
- 2.3 Disciplines to be contested

Formation Skydiving:

4-way FS (open, female)

4-Way VFS

8-way FS

Artistic events:

Freefly

Freestyle

2.4 Event Dates

Complete program / Competition dates and schedule:

Official arrival day
Official practice day(s)
Opening ceremony
Competition starts
August 29
August 30
8 am- 6 pm
August 30
7 pm
8 am

Competition ends (last take off) September 4 4 pm Competitors meeting (provisional) September 4 5 pm Award ceremony
Banquet & closing party
Departure day

September 4 7 pm September 4 8:30 pm September 5 all day

2.5 Location of Event

Skydive Voss is located in a beautiful scenario just 7 minutes' drive from downtown Voss.

Voss, located in the heart of Fjord Norway, is a mecca for outdoor adventures all year round. Only an hour and a half away from Bergen; Norway's second biggest city, and a 30 minutes' drive to the Hardangerfjord and the Sognefjord. It is the perfect place to explore the fjords.

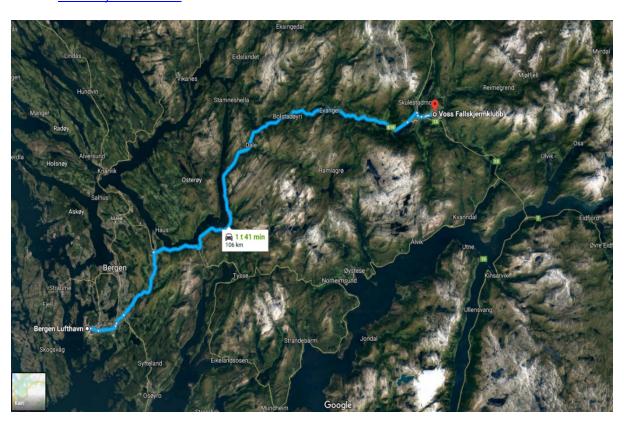
Visitors have travelled to Voss to enjoy the beautiful scenery and enjoy the nature for almost 200 years. As you explore Voss, snow-covered mountaintops; valleys and forests; rivers; waterfalls and lakes will greet you, and the locals will show you the Voss-way of living.

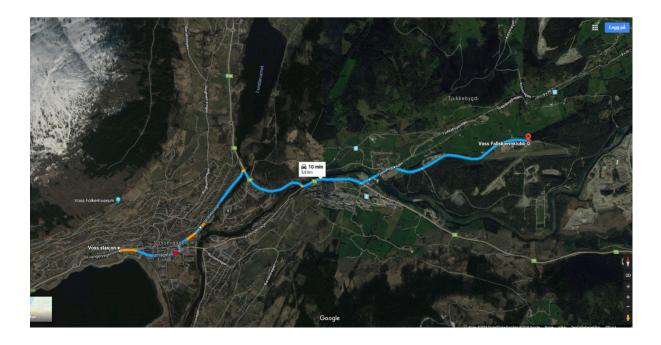
Voss is the largest ski destination in Western Norway and well known among skydivers and other extreme sports athletes for its annual Extremesport festival in June.

Address:

Voss Fallskjermlubb Flyplassvegen 135 5705 Voss

E: info@skydivevoss.no T: +47 56511000 www.skydivevoss.no





2.6 Details of access

By Air:

Bergen Airport Flesland within a reasonable driving distance, about 1 hour 30 minutes by car or 2 hours by bus/train.

The following options are available to get to Voss from the airport in Bergen:

- Shuttle service, which will be operated by Skydive Voss
- Car rentals http://www.rentalcars.com/no/airport/no/bgo
- Train https://nsb.no/

By Train:

The Bergen Railway between Oslo and Voss is considered one of the world's most scenic train rides. There are four daily departures from Oslo and Bergen (Voss). The 5 hour's journey brings you across one of Europe's highest mountain plateaus, and takes you to through spectacular and varied nature.

By Road:

By bus and car –1.5 hours drive from Bergen, 5 hours drive from Oslo.

RR	Precipitation	mm
<u>FFM</u>	Average wind speed (main observations)	m/s
RRTA	Precipitation (18-18 utc)	mm
<u>FFX</u>	Maximum wind speed (main observations)	m/s
<u>FGM</u>	Average of max gusts	m/s
TAMRR	Mean temperature (06-06 utc)	degC

51530 VOSS	SEVAN	GEN,	Numb	er of	days v	vith R	R>=1	(DRR_	GE1)	
Year	Jul	fJul	Aug	fAug	Sep	fSep	Total	fTotal	Mean	fMean
2008	10	LU	14	LU	7	LU	31	LU		
2009	14	LU	18	LU	18	LU	50	LU		
2010	15	LU	15	LU	11	LU	41	LU		
2011	14	LU	9	LU	22	LU	45	LU		
2012	14	LU	13	LU	19	LU	46	LU		
2013			10	LU	10	LU				
2014	16	LU	13	LU	10	LU	39	LU		
2015	12	LU	13	LU	8	LU	33	LU		
2016	20	LU	16	LU						
2017	10	LU	8	LU	13	LU	31	LU		
2018	3	LU	16	LU	15	LU	34	LU		
Number of	10	LU	11	LU	10	LU				
Minimum	3	LU	8	LU	7	LU				
Year	2018	LU	2017	LU	2008	LU				

51530 VOSSEVANGEN, Number of days with RR>=1 (DRR_GE1)											
Year	Jul	fJul	Aug	fAug	Sep	fSep	Total	fTotal	Mean	fMean	
Maximum	20	LU	18	LU	22	LU					
Year	2016	LU	2009	LU	2011	LU					
Total	128	LU	145	LU	133	LU					
Mean											

51530 VOSS	SEVANO	SEN,	Precipi	tation	(18-18	utc)	(RRTA)			
Year	Jul	fJul	Aug	fAug	Sep	fSep	Total	fTotal	Mean	fMean
2008	65,3	LU	69,9	LU	55,3	LU	190,5	LU		
2009	66,5	LU	150,6	LU	210,8	LU	427,9	LU		
2010	107,5	LU	82,4	LU	88,7	LU	278,6	LU		
2011	123,8	LU	53,0	LU	171,6	LU	348,4	LU		
2012	135,8	LU	105,8	LU	188,6	LU	430,2	LU		
2013					74,4	LU				
2014	99,1	LU	48,9	LU	81,3	LU	229,3	LU		
2015	52,3	LU	106,9	LU	78,4	LU	237,6	LU		
2016	126,9	LU	128,3	LU						
2017	66,3	LU	48,4	LU	75,8	LU	190,5	LU		
2018	61,9	LU	151,0	LU	200,1	LU	413,0	LU		
Number of	10	LU	10	LU	10	LU				
Minimum	52,3	LU	48,4	LU	55,3	LU				
Year	2015	LU	2017	LU	2008	LU				
Maximum	135,8	LU	151,0	LU	210,8	LU				
Year	2012	LU	2018	LU	2009	LU				
Total	905,4	LU	945,2	LU	1225,0	LU				

51530 VOSS	51530 VOSSEVANGEN, Precipitation (18-18 utc) (RRTA)										
Year	Jul	fJul	Aug	fAug	Sep	fSep	Total	fTotal	Mean	fMean	
Mean											

51530 VOSS	SEVAN	GEN,	Avera	ige wi	nd spe	eed (n	nain o	bservat	tions)	(FFM)
Year	Jul	fJul	Aug	fAug	Sep	fSep	Total	fTotal	Mean	fMean
2008	1,2	LU	1,0	LU	1,2	LU			1,1	LU
2009	1,0	LU	1,0	LU	0,9	LU			1,0	LU
2010	1,1	LU	1,0	LU	1,1	LU			1,1	LU
2011	1,1	LU	1,2	LU	1,1	LU			1,1	LU
2012	1,1	LU	1,1	LU	1,2	LU			1,1	LU
2013	1,5	LU	1,3	LU	1,1	LU			1,3	LU
2014	1,2	LU	1,4	LU	1,1	LU			1,2	LU
2015	1,3	LU	1,4	LU	1,1	LU			1,3	LU
2016	1,1	LU	1,2	LU	1,0	LU			1,1	LU
2017	1,2	LU	1,1	LU	1,5	LU			1,3	LU
2018	1,6	LU	1,1	LU	1,3	LU			1,3	LU
Number of	11	LU	11	LU	11	LU				
Minimum	1,0	LU	1,0	LU	0,9	LU				
Year	2009	LU	2008	LU	2009	LU				
Maximum	1,6	LU	1,4	LU	1,5	LU				
Year	2018	LU	2014	LU	2017	LU				
Total										
Mean	1,2	LU	1,2	LU	1,1	LU				

Year	Jul	fJul	Aug	fAug	Sep	fSep	Total	fTotal	Mean	fMean
2008	5,0	LU	4,5	LU	4,3	LU			4,6	LU
2009	4,9	LU	4,2	LU	5,2	LU			4,8	LU
2010	4,9	LU	4,1	LU	6,8	LU			5,3	LU
2011	3,4	LU	4,4	LU	4,0	LU			3,9	LU
2012	3,6	LU	5,1	LU	5,2	LU			4,6	LU
2013	4,8	LU	5,4	LU	6,1	LU			5,4	LU
2014	4,0	LU	4,5	LU	4,5	LU			4,3	LU
2015	4,8	LU	5,0	LU	5,3	LU			5,0	LU
2016	4,6	LU	5,8	LU	4,7	LU			5,0	LU
2017	4,4	LU	4,0	LU	6,3	LU			4,9	LU
2018	4,9	LU	4,8	LU	7,7	LU			5,8	LU
Number of	11	LU	11	LU	11	LU				
Minimum	3,4	LU	4,0	LU	4,0	LU				
Year	2011	LU	2017	LU	2011	LU				
Maximum	5,0	LU	5,8	LU	7,7	LU				
Year	2008	LU	2016	LU	2018	LU				
Total										
Mean	4,5	LU	4,7	LU	5,5	LU				

51530 VOSSEVANGEN, Average of max gusts (FGM)											
Year	Jul	fJul	Aug	fAug	Sep	fSep	Total	fTotal	Mean	fMean	
2008			2,9	LU	3,4	LU					

51530 VOSS	51530 VOSSEVANGEN, Average of max gusts (FGM)											
Year	Jul	fJul	Aug	fAug	Sep	fSep	Total	fTotal	Mean	fMean		
2009	3,1	LU	3,2	LU	3,2	LU			3,2	LU		
2010	3,6	LU	3,2	LU	3,4	LU			3,4	LU		
2011			3,3	LU	3,2	LU						
2012	2,9	LU	2,9	LU	3,5	LU			3,1	LU		
2013					2,9	LU						
2014			3,9	LU	3,0	LU						
2015	3,5	LU	4,0	LU	3,3	LU			3,6	LU		
2016	3,1	LU	3,5	LU	3,2	LU			3,3	LU		
2017	3,5	LU	3,2	LU	4,2	LU			3,6	LU		
2018	4,1	LU	3,2	LU	4,0	LU			3,8	LU		
Number of	7	LU	10	LU	11	LU						
Minimum	2,9	LU	2,9	LU	2,9	LU						
Year	2012	LU	2008	LU	2013	LU						
Maximum	4,1	LU	4,0	LU	4,2	LU						
Year	2018	LU	2015	LU	2017	LU						
Total												
Mean	3,4	LU	3,3	LU	3,4	LU						

*** NOTE ***

No data for 51530 VOSSEVANGEN, Days of clear sky (NN04)

*** NOTE ***

No data for 51530 VOSSEVANGEN, Days of overcast (NN20)

*** NOTE ***

No data for 51530 VOSSEVANGEN, Sunshine (OT)

51530 VOSS	SEVAN	GEN,	Mean	temp	eratur	e (06·	-06 ut	c) (TAN	IRR)	
Year	Jul	fJul	Aug	fAug	Sep	fSep	Total	fTotal	Mean	fMean
2008	17,1		14,7		11,1				14,3	
2009	16,7	LU	14,4	LU	11,0	LU			14,0	LU
2010	16,1	LU	15,2	LU	10,4	LU			13,9	LU
2011	16,5	LU	14,9	LU	11,4	LU			14,3	LU
2012	14,5	LU	14,6	LU	8,8	LU			12,6	LU
2013	16,2	LU	14,5	LU	11,2	LU			14,0	LU
2014	18,7	LU	15,0	LU	11,9	LU			15,2	LU
2015	13,9	LU	15,0	LU	11,6	LU			13,5	LU
2016	14,6	LU	14,1	LU	14,0	LU			14,2	LU
2017	14,8	LU	13,7	LU	12,3	LU			13,6	LU
2018	19,4	LU	13,7	LU	11,5	LU			14,9	LU
Number of	11	LU	11	LU	11	LU				
Minimum	13,9	LU	13,7	LU	8,8	LU				
Year	2015	LU	2017	LU	2012	LU				
Maximum	19,4	LU	15,2	LU	14,0	LU				
Year	2018	LU	2010	LU	2016	LU				
Total										
Mean	16,2	LU	14,5	LU	11,4	LU				

2.8 No airspace restrictions. The area has no requirements of NOTAMS and the national or local aviation authorities does not require or handle any NOTAMS here. However, we will make a NOTAM for the event, to limit other possible traffic and have priority to the event.

2.9 Landowner restrictions.

No restrictions. The municipality owns the airport and welcomes the event.

2.10 Details of event insurance

Liability insurance for non-jumping event personnel (FAI directors, employees, judges and officials) will be arranged by the Organiser.

The immediate medical First Aid to the participants is the responsibility of the organizer during the official event, including official training day.

2.11 Details of insurance required by participants:

All competitors must have their own third party liability insurance covering a minimum of 1,6 million EUR. The Organiser offers this on site at approximately 50 EUR for one month's coverage.

It is strongly recommended to all competitors to have insurance to cover medical expenses and repatriation in the case of injury.

2.12 Entry Fee

All budgeting and pricing has been forecasted using the current IPC rules in regards to the number of rounds, judge panel requirements, etc. the Organiser reserves the right to revise these figures should any changes occur in the rules that result in increased costs to the organizer. The IPC will immediately be informed in that case. If changes occur that enable us to reduce the cost, this will be noted in Bulletin One.

Competitor entry fees include Opening Ceremonies, Competition costs, lunch each day during competition, Closing Ceremonies and Banquet, Social Night, Entertainment, promotional/gift selections.

Competitors will be responsible for their own accommodation, some meals, travel and transportation. Accommodation recommendations will be provided, and transportation services will be offered.

Entry fee for Heads of Delegation, Team Leaders and Other Delegation Members includes Opening Ceremonies, lunch each day during competition, Closing Ceremonies and Banquet, Social Night, Entertainment, promotional/gift selections.

Entry fees (per competitor):

Formation Skydiving
700 EUR + 90 EUR FAI/IPC Sanction fee
Artistic Events
610 EUR + 90 EUR FAI/IPC Sanction fee
Member of Official Delegation
Alternate team member
300 EUR + 90 EUR FAI/IPC Sanction fee

Second event 50 EUR + jumps

Late registration may be accepted if capacity allows and the registration fee will be increased by 20% (except the Sanction fee which stays the same).

2.13 Facilities

Skydive Voss has high standards on facilities. The facility consists of one building with one floor including several multi-purpose rooms and a cafeteria. Registration will be conducted at Skydive Voss.

Judging panels will be housed in two rooms with ample space for the judging team, video playback monitors, printer and other supplies. An electronic image dubbing area will be set up outside the building.

There will be networked computers and printers located in the building that are accessible to competition staff.

There will be internet access capable of serving a large number of connected devices, with a closed circuit for judges and another for media and officials.

There will be areas setup for competitor use outside of the main building; areas for creeping and dirt dives, restaurant and lounge area. There will also be space for competitors to relax.

The building is equipped with public toilets including both men's and women's facilities, and showers. Additional portable toilets will be set up for the competition.

Opening ceremony, closing ceremonies and the banquet, will be conducted downtown Voss.

Ground and aerial photographs of Airfield / Dropzone;

Below are videos showing the dropzone layout and facilities:

DZ brief: https://www.youtube.com/watch?v=1ypREYkrO1c

Nationals 2016: https://www.youtube.com/watch?v=nA9IZ2BEoJQ&t=10s

Overview 2015: https://www.youtube.com/watch?v=gRMiWu0LQQY

Most outside areas will be extended by 2020, and a competitor village will be built for the event.









2.14 Aircraft

2X Cessna 208 Supervan (normal and Grand) for FS4 and Artistic events. (A third Caravan will be considered for the event).

1X Twin Otter for FS8 and VFS.

Exit speed 85 kts (+/-5 kts)

Flight time for competition rounds 15 minutes

Photographs showing exit door and handles will be presented in Bulletin 1.

C 208: one engine (900 shp), 15 jumpers All A/C with left (inflight) door, with same dimensions of doors: (H) 124 cm x (W) 127 cm (50 inch x 51 inch); rear video step and handles inside and outside (roof); Exit speed: all A/C 80 kts (+/- 5 kts) Each aircraft: 3-4 loads per hour.

All equipment needed will be ready and operational for all competition jumps/performances and all official training jumps/performances.

2.15 Pre event training jumps/performances – dates, aircraft, costs, etc.

Skydive Voss facilitates for training from a Caravan all summer from April 28th until the competition start. Skydive Tønsberg, 6 hours from Voss, facilitates for training from a Twin Otter.

Training jump tickets

30 EUR

2.16 Accommodation

Voss is a tourist city with many options for accommodations. Skydive Voss will provide participants with accommodation recommendations and will intend to secure discounted rates for the event participants to be presented in Bulletin 1.

This website will give you a lot of information about Voss and accommodation in Voss:

https://www.visitvoss.no

2.17 Local transportation provided

Skydive Voss will provide shuttle transport from/to downtown Voss for the judges and staff related to the event and also competitors, if necessary.

2.18 Outline of media plan

The Organiser will inform about the event to national media outlets and international skydiving and tunnel-flying related media outlets. The Organiser will have its own PR staff and will send press releases and media invitations to its media contacts on a monthly basis for the six months preceding the event. Two months prior to the event, the Organiser will increase the amount of press releases and photos sent out.

The Organiser will make available interviews, photos and video footage to the media contacts.

The Organiser will publish daily from the event on "live stream" with professional commentators.

2.19 Accommodation details for FAI/IPC officials.

Accommodations for the FAI/IPC officials will be provided at one of the downtown Hotels. At the moment there are two Hotels downtown Voss; Park hotel and Fleischer Hotel. By 2021 there will also be a new Hotel in connection with the new Gondola, but we do not have details about this hotel yet. Park hotel can be seen here:

www.parkvoss.no

And Fleischer here:

www.fleishers.no

Advance notice is requested for any accompanying persons and/or room requirements.

2.20 Details of all Judging and Scoring Equipment to be provided.

The Organiser will provide judging and scoring equipment that meets the requirements set forth by the IPC for all events. The Norwegian Air Sports Federation provides us with the InTime scoring system which can be used both for FS and AE. More judging panels can be provided if needed and depending on the number of competitors.

2.21 Details of Public Address system to be used by Manifest and for the general public.

The Organiser will secure a way to inform the event participants and public about the process of the competition.

2.22 Safety

Skydive Voss will have full time first aid and CPR trained persons on site for the duration of the event. Full ambulance and medical services are available through emergency services (113). Voss Hospital is 8 min away from Skydive Voss by car.

2.24 Proposals for Event Officials

To be determined

2.25 Details of on-site communications (radios, telephone, etc.).

Skydive Voss is equipped with several phone lines for inter-office and external calls. If necessary, extra and other communication equipment can be obtained.

There will be also mobile phone communication provided for all who register their mobile phone number to the database. Important information messages will be sent to this numbers during the event. The organizer recommends that at least the head of each delegation has registered its number.

2.26 Full details of any National, State, Provincial, Local or Aeroclub / Organiser Legislation and/or Rules that apply to the Event, the Competitors and their equipment, including use of AADs, helmets, etc.

FAI sporting code 5. Valid license, membership and third party liability insurance.

2.27 Visa requirements

General Visa Information: https://www.udi.no/en/want-to-apply/visit-and-holiday/ The Organiser will provide participants with "letter of Invitation" where needed.

2.28 Medals

The Organiser in cooperation with the Norwegian Air Sports Federation will choose to make its own awards medals in accordance with the rules of the FAI.

2.29 Details of any Anti-Doping requirements

In the event that anti-doping testing becomes a requirement, the Organiser will provide the facilities necessary for testing and interviews.

2.30 Additional Information

FAI Judge Training Course

If the IPC Judges' Committee would like for this course to take place, Skydive Voss can make arrangements to host the FAI Judges Training Course.

Event Website & Competitors Registration

The Organiser will establish event website to provide information prior to the event, including information about the rules, accommodation, access etc. During the event the website will provide up-to-date results and daily news.

The same website will contain the online registration system for teams and delegations to make it easy to complete forms, paperwork, registration and financial responsibilities.

Ceremonies and Awards

The Organiser will host an Opening Ceremony prior to the start of competition, which will be followed by a competitor briefing and the draw.

One Awards and Closing Ceremony, including a banquet dinner and entertainment, will be held after the completion of all events.

Social Events

In addition to be hosting a banquet dinner at the Awards and Closing Ceremony, the Organiser intent to plan one other social evening to be held, and "Innhopps" (this is a special thing when skydiving in Voss...) before and after the event.

Gifts

Each registered competitor, delegation member, and official will receive a selection of promotional items and gifts from sponsors.



To FAI/IPC

Your ref: SF37-36-251 September 28th 2018

23rd FAI World Cup of Formation Skydiving and 15th FAI European Formation Skydiving Championships 14th FAI World Cup of Artistic Events and 12th European Artistic Events Championships

Voss, Norway, August 31st - September 5th 2021

The Norwegian Air Sports Federation has received a copy of Voss Parachuting Club's bid for organization of the FAI World Cup and FAI European Championships in Formation Skydiving and Artistic Events 2021. The Norwegian Air Sports Federation agrees and supports the bid.

Yours sincerely

John Eirik Laupsa Secretary General

The Norwegian Air Sports Federation



International parachuting commission

Voss, 28th September 2018

 $23^{\rm rd}$ FAI World Cup of Formation Skydiving and $15^{\rm th}$ FAI European Formation Skydiving Championships $14^{\rm th}$ FAI World Cup of Artistic Events and $12^{\rm th}$ European Artistic Events Championships

We have received a copy of Voss Fallskjermklubb's bid for organization of the 23^{rd} FAI World Cup of Formation Skydiving/ 15^{th} FAI European Formation Skydiving Championships, and 14^{th} FAI World Cup of Artistic Events/ 12^{th} European Artistic Events Championshipsto be held at Skydive Voss/Bømoen.

We are in favor of the bid from and would like to welcome competitors and officials to Voss in September 2021.

H Hellesnes

Yours sincerely Destinasjon Voss AS

Mona H Hellesnes General Manager

WWW.Visitvoss.no

Destinasjon Voss AS Militzowsgate 2, 5700 Voss
Tif: +47 40 61 77 00 — info@visitvoss.no — org.nr: 99 289 984 mva