

Ljunghusen Golf Club

Höllviken, Sweden

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Ljunghusens GK lies within a heathland dominated coastal nature reserve. The links characteristics of the landscape have changed over centuries through different usage. Remains of this are found in form of old fisher huts, tong walls, peat pits and heather meadows. Constant improvements to the management of the landscape are being carried out. Irrigation water comes from boreholes and surface water. Efficiency is continually improved. No alien grass species are used on the course and since the 1980's fertilizer use has been reduced by about 80%. Pesticides are used only when necessary and IPM is used to a degree. Sophisticated recycling has been introduced and all hazardous waste is taken care of. The facility is continually trying to improve its energy saving capacity and the oil...

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Mårten Wallberg GEO Accredited Verifier

About this Report

Publication of this Certification Report indicates that Ljunghusen Golf Club has been assessed against the GEO Certification Criteria and awarded GEO Certified status.

Each section of this document covers a key area of environmentally sound golf facility management. As defined by the Golf Environment Organization, these are: Nature, Landscape & Heritage, Water, Turf, Waste, Energy, Education & Awareness and Management Planning.

Scope of Application

Ljunghusen Golf Club consists of:

Courses

- Ljunghusen (27 holes)

Clubhouses

- Ljunghusen

Maintenance Facilities

- Ljunghusen

Other

- Pro Shop
- Practice Facilities
- Halfway House
- On Course Toilet Facilities

Nature

The course has been within a nature designation since 1986. The heathland is internationally recognized as wet lands. The character is links course build on sand upon land that a long time ago was open sea.

Bell heather, crowberry and ordinary heather are abundant as well as bog myrtle spreads its characteristic scent among the banks of the shore and close to the dykes on the course you can find sundew and the insect eating steep grass. Among tufts of heather and crowberry springs you can find the rare bell gentia which flowers in profusion in July and August particularly along the second, sixth, fourteenth and fifteenth holes.

Outside the fence we can see Highland Cattle grazing not only as a feature but also to keep the heathland free from shrubs.

Hela banan ligger i naturreservat sedan 1986. Byggt på mark som är internationellt klassad som våtmarkshed. Banan är linksbana och är byggd på ett underlag av sand från tiden när landskapet var havsbotten.

Olika sorters ljung, kråkbär tillsammans med pors är de dominerande växtarterna. Och det finns på dammslänter och vid dikeskanter silesår och andra insektsätande växter. Bland ljung och andra växtligheter kan man bland annat finna den fridlysta klockgentianan vi sidan av hl 2, 6, 14 och 15. Utanför banan kan man se de lurviga korna av rasen Highland Cattle beta på den naturskyddade våtmarksheden Skanörs Ljung, inte bara till lyster utan de utför en hjälper till att hålla sly och buskar.

Designations

Ljunghusen Golf Club features areas that are designated or protected at the following levels:

- International

- National Government
- Local Government
- Self Appointed
- Informal NGO

Surveys

The following ecological surveys have been undertaken:

Title	Author	Date
Botanical	Karlsson, T	1998-06-19
Birds	Bernsmo, J	1998-07-17
Mammals	Hillarp, J-Å	1995-03-09
Amphibians	Rugfelt, C	2004-07-17
Redlisted species	Gärdenfors, U	2000-05-08
Update of Botanical survey	Göransson, D	2002-06-26

Habitats

Estimated area of habitats at Ljunghusen Golf Club:

- Rough 'ecological' grassland: 25 ha; of National Importance
- Wetlands: 10 ha; of National Importance
- Open water features: 7 ha; of National Importance
- Heather and other dwarf shrub communities: 33 ha; of National Importance

Ljunghusen Golf Club has undertaken the following activities to improve the landscape ecology of the site:

- Increase the size of habitat patches
- Connect internal habitat patches
- Connect patches with external habitats
- Create new habitat corridors
- Improve and diversify habitat edges

Species

Rare, protected and notable species occurring at Ljunghusen Golf Club [Latin names]:

- *Gentiana pneumonanthe*
- *Apium inundatum* (L.) Rchb. f.
- *Viola tricolor* ssp. *curtisii*
- *Pilularia globulifera* L
- *Asperugo procumbens*
- *Lythrum portula*
- *Lotus tenuis*
- *Anthriscus caucalis* M

Consultation

Ljunghusen Golf Club consults with the following nature conservation organisations:

- Falsterbo Nature Conservation Society
- Falsterbo Ornithology Organisation
- Skane County Forest Board
- Skane County Government Board
- Vellinge Community Regional Environmental Office

Activities

Ljunghusen Golf Club has undertaken the following activities to enhance nature protection:

Activity	Description
Field trips	We arrange together with local NGOS walks on the course to look at flora and fauna on our premises. We also promote local NGOs to invite our members to participate in their nature walks.
Informing members	In 1994 Anna Tegner painted the flora and fauna of the course. The original is in the Club House and 150 copies were sold to members. Natural events, such as an oystercatcher laying eggs, are marked as GUR and notified on notice boards and website.
Naturalising the site	Regular maintenance of heathland by cutting heather and remove scrub. Enhance erosion control wher we are close the sea.

Aims & Objectives

Ljunghusen Golf Club has the following key objectives for maximizing its ecological value:

- Continue to remove unwanted trees and shrubs
- Update surveys for birds, mammals and frogs
- Print a nature guide showing areas with special natural interest, like the guide the R&A makes for Open championship courses in Britain.

Landscape & Heritage

For a long time the oak trees were the dominating feature on the landscape of Falsterbo Peninsula. This changed during the medieval time, as oak was in great demand for good timber. The area was clear-cut and thus the heathland was established. For hundreds of years the heath land was used for pasture, peat for covering roofs and also for burning in fireplaces and stoves. In the middle of the 19th century pine-, oak- and birch-trees were planted and the area started to take the present look. The climate interference of the area has always been present and since the ice age the beach area south of the heath land with its sand dunes and shoreline has changed constantly.

Our club strives to integrate the course into the surroundings as much as possible and careful plans have also been made for the changes or alterations of the buildings not to disturb the impression. The machinery shed was built to fit in with the old clubhouse nearby. The maintenance centre is surrounded by a fence protecting trespassing and viewing.

Under lång tid ekar var den dominerande inslag i landskapet i Falsterbo halvön. Detta ändrades under medeltiden efterfrågan på ek var stor för virke. Området blev renhugget övergick i hedmark. Inder många år användes hedmarken för bete, torv för att täcka tak och även för bränning i spisar och kaminer. I mitten av 1800-talet planterades tall-, ek och björk-träd och området började ta den nuvarande utseende. Kustlinjen har förändrats konstant genom erosion och även genom tillskott av sand på sina ställen.

Vår förening strävar efter att integrera banan med omgivningen så mycket som möjligt och noggranna planer har också gjorts för de ändringar eller ändringar av byggnader som inte stör intrycket. Maskinhallen byggdes för att passa in med det gamla klubbhuset. Området är omgärdat av staket som skyddar mot insyn och obehöriga.

Designations

Ljunghusen Golf Club features the following landscape designations:

- Areas of Scenic Beauty
- National Park
- International Wetlands

Ljunghusen Golf Club features the following cultural heritage designations and protected features:

- Archaeology (Settlements / Agricultural Systems etc)

Surveys

The following landscape assessments and appraisals been carried out at the site:

Date	Title
2008-06-02	History of border lines

No archaeological or heritage surveys have been carried out at this site.

Consultation

Ljunghusen Golf Club consults with the following organisations on landscape and cultural heritage issues:

- Falsterbonäsets Naturvårdsförening
- Local associations with goals to preserve the area.

Activities

Ljunghusen Golf Club undertakes the following activities to enhance landscape and cultural heritage:

Activity	Description
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Activity	Description
Seaweed walls	Keep them clear of shrubs and protect for damages.
Shore lines	Protect the shore lines through fencing and replanting grasses that are thriving on the dunes.

Aims & Objectives

Ljunghusen Golf Club has the following key objectives for conserving or enhancing its landscape and cultural heritage value:

- Restore the shore line where the old fishing huts are South of the Club House.
- Remove unnecessary signs and boards on the course and practice ground.
- Update plans for areas surrounding buildings and parking lots.
- A new master plan was made 2008 and the special notice of environmental issues are included.

Water

Groundwater from boreholes and harvested surface water are used for irrigation. The golf facility has three pump stations and are using about 25 000 cubic meters of water per year. Public water are used for Club Houses.

Vatten till bevattning tas ur borrhål samt ur dammar där därdräneringsvatten samlas upp. Anläggningen har tre pumpstationer och använder ca 25 000 km vatten per år. Kommunalt vatten används till klubbhus och personalrum.

Consumption

Water sources

	Primary Source	Secondary Source (if used)
Clubhouse	Public / Potable	N/A
Golf Courses	Groundwater	Recycled Drainage & Irrigation
Accommodation	Public / Potable	N/A
Maintenance facility	Public / Potable	N/A
Other	N/A	N/A

Water consumption (m3)

	2008	2007	2006
Clubhouse	1021	965	897
Golf Courses	24960	23768	25163
Accommodation	N/A	N/A	N/A
Maintenance facility	251	244	252
Other	N/A	N/A	N/A

Irrigation

The following areas are irrigated:

Area name	Approx. Hectarage
Greens	2 ha
Tees	2 ha
Fairways	25 ha
Practice area, club house area	1 ha

Ljunghusen Golf Club irrigation system is Fully computer controlled.

This irrigation system is serviced every **2 months**.

This irrigation system is upgraded every **1 years**.

This irrigation system is calibrated every **1 years**.

Ljunghusen Golf Club do not incorporate evapotranspiration rates and weather data into their irrigation programme.

Ljunghusen Golf Club does not monitor soil water content.

Analysis

Ljunghusen Golf Club undertakes environmental monitoring of water quality.

	Chemical	Biological	Last Test Date	Tester
Inflow	Yes	Yes	2009-04-06	LMI
On-site	Yes	Yes	2009-04-06	LMI
Outflow	Yes	Yes	2009-04-06	LMI

The key findings of these tests were:

We have not observed higher content of nutrients and chemicals in samples taken from the the outflow than in the inflow of water. Salt content is continuously documented in irrigation ponds and boreholes and the salt content has so far been stable.

Activities

Ljunghusen Golf Club has undertaken the following activities to conserve / reduce / minimise water consumption:

- Minimise irrigated area
- Irrigate in the evenings
- De-compact the soil
- Grass species selection

- Regular inspections for irrigation system leaks
- Soil moisture analysis
- Use of wetting agents

Ljunghusen Golf Club undertakes the following activities to protect and enhance water quality:

- Maintain vegetative buffers
- Creation of swales and attenuation areas
- No spray zones
- Erosion control
- Pest and disease tolerant grass selection
- Informed selection of fertiliser type
- Informed selection of pesticides (least toxic, least persistent)
- Naturalisation of pond margins to improve oxygenation

Aims & Objectives

Ljunghusen Golf Club has the following key objectives for conserving water quality and minimizing water consumption:

- To reduce hot water use in the clubhouse
- To minimize irrigation is a key objective, by using modern technology for sprinklers and pumps stations. Also by using cultivar methods that reduce the need of irrigation. Inform members and players that a deep green colour is not necessary for good playing surfaces.
- To make sure waste water is clean when it leaves the site and reaches open water.

Turf

Grass on greens are mainly Fescue (*Festuca Rubra*) Browntop Bent (*Agrostis tenuis*) and some Annual meadow-grasses (*Poa annua*). Grasses on tees are a mixture of Fescue Browntop Bent and Kentucky blue grass. Fairways have the same grass mixtures as tees. Roughs are dominated by Hard fescue and Sheep fescue. The ambition is to maintain all areas with low input of fertilizer and low irrigation rate.

Gräs på greener är en blandning av rödsvingel, rödven och vitgröe. På utslagsplatser och fairway är gräsen rödsvingel, rödven, ängsgröe och vitgröe. Ruffara består av hård- och fårsvingel. Ambitionen är att skötseln av alla dessa ytor domineras av låg gödslingsnivå samt sparsam bevattning.

Ljunghusen Golf Club maintains the following turfgrass species:

Greens

- Annual meadow-grass (*Poa annua*)
- Browntop bent (*Agrostis tenuis*)

Surrounds & Approaches

- Annual meadow-grass (*Poa annua*)

- Browntop bent (*Agrostis tenuis*)

Tees

- Smooth-stalked Meadow-grass / Kentucky bluegrass (*Poa pratensis*)
- Perennial ryegrass (*Lolium perenne*)

Fairways

- Fescue (*Festuca rubra*)
- Annual meadow-grass (*Poa annua*)

Semi-rough

- Fescue (*Festuca rubra*)
- Annual meadow-grass (*Poa annua*)

Ljunghusen Golf Club regularly undertakes the following practices to improve turf health:

- Hollow Coring - 1 times per year
- Top Dressing - 20 times per year
- Micro Tining - 20 times per year
- Scarification - 200 times per year
- Verticutting - 20 times per year
- Deep Anti Compaction - 3 times per year
- Rolling - 40 times per year

Nutrition

N, K, micro nutrients and small amounts of P are used on greens and tees. Poor turf areas of fairways and some other areas are fed with small amounts of NPK. We have not used fertiliser as an all over coverage for fairways since 1984. The nutrition programme has not changed over the last 20 years in general.

The greenkeeping staff feed the following areas of the golf course:

- Greens
- Tees
- Fairways
- Note that fairways are only partial fed.

The nutrition programme at Ljunghusen Golf Club is informed by:

- Leaf Tissue Analysis
- Soil Analysis
- Visual Appearance
- Sward Density
- Rooting Depth

Fertiliser use in 2008

	Nitrogen (kg/year)	Phosphate (kg/year)	Potassium (kg/year)
Greens & surround	300	100	220
Tees	360	180	240
Fairways	720	0	540
Semi Rough	0	0	0
Rough	0	0	0

Fertiliser use in 2007

	Nitrogen (kg/year)	Phosphate (kg/year)	Potassium (kg/year)
Greens & surround	300	100	220
Tees	360	180	240
Fairways	720	0	540
Semi Rough	0	0	0
Rough	0	0	0

Fertiliser use in 2006

	Nitrogen (kg/year)	Phosphate (kg/year)	Potassium (kg/year)
Greens & surround	300	100	220
Tees	360	180	240
Fairways	720	0	540
Semi Rough	0	0	0
Rough	0	0	0

Pest & Disease Control

Proactive spraying for fungus in autumn and winter on greens. Occasionally herbicides are used on other playing surfaces.

Pesticide use:

- Fungicides - If Necessary
- Herbicides - If Necessary
- Insecticides - Never
- Lumbricides - Never
- Growth Regulator - Never

Ljunghusen Golf Club keeps detailed records of pesticide application.

Pesticide use in 2008

	Fungicide	Herbicide	Insecticide
	Active ingredient kg	Active ingredient kg	Active ingredient kg
Greens & Surrounds	Tiofanatmetyl 5	Fluroxipur 2	

	Fungicide	Herbicide	Insecticide
	Active ingredient kg	Active ingredient kg	Active ingredient kg
	Prokloraz	5	
	Azoxystrobin	8	
Tees		Fluroxipur	5
Fairways		Fluroxipur	20
Rough		Fluroxipur	5

Pesticide use in 2007

	Fungicide	Herbicide	Insecticide
	Active ingredient kg	Active ingredient kg	Active ingredient kg
	Tiofanatmetyl	6	Fluroxipur
	Prokloraz	5	2
Greens & Surrounds	Azoxystrobin	8	
Tees		Fluroxipur	4
Fairways		Fluroxipur	20
Rough		Fluroxipur	3

Pesticide use in 2006

	Fungicide	Herbicide	Insecticide
	Active ingredient kg	Active ingredient kg	Active ingredient kg
	Tiofanatmetyl	4	Fluroxipur
	Prokloraz	6	2
Greens & Surrounds	Azoxystrobin	10	
Tees		Fluroxipur	5
Fairways		Fluroxipur	15
Rough		Fluroxipur	3

Thresholds for using pesticides at Ljunghusen Golf Club:

On evidence of actual damage

Ljunghusen Golf Club selects pesticides with the following attributes:

- Toxicity - Low
- Persistence - Medium
- Solubility - High
- Specificity - High

Scouting at Ljunghusen Golf Club:

	Frequency / month	Scout
Greens	4	Superintendent
Tees	4	Superintendent
Fairways	1	Superintendent
Semi Rough	1	Superintendent

Activites

Ljunghusen Golf Club undertakes the following activities to minimise / reduce pesticide use:

Activity	Description
Accept weeds	We can accept some weeds at some times of the year and are not too fuzzy to get rid of them, we know that some weeds only occur during a short period and that can be acceptable for players. Like being on a links land we try to be part of the nature and don't eliminate all weeds that occur.
Mechanical weed control	Cultivar practices are used to minimize weeds. When cutting greens the green team are informed to pick weeds as part of the job. Verticutting and other mechanical operations is used to stress the weeds.

Aims & Objectives

Ljunghusen Golf Club has the following key objectives for achieving high quality playing surfaces in an environmentally responsible manner:

- The main objective is to keep our golf course as a part of the nature preservation area and we don't have any intention to turn it into a park land course with lush grass growth and all weed free surfaces.
- One goal is to inform the players about this situation so they know what to expect.

Waste

We do all we can to handle waste in a proper way to fulfill laws and regulation and because we believe in recycling.

Vi källsorterar avfall enligt bäst kända och praktiska metoder för vårt område.

Management

Waste streams for Ljunghusen Golf Club

	Avoid	Re-use	Recycle	Landfill	Incineration	Registered Uplift	2009 Totals (kg)
Glass	No	No	Yes	No	No	No	2800
Plastic	No	Yes	Yes	No	No	No	250

Aluminium	No	Yes	Yes	No	No	No	100
Metal	No	Yes	Yes	No	No	No	2000
Paper	No	Yes	Yes	No	No	No	950
Cardboard	No	No	Yes	No	No	No	5000
Electrical	No	Yes	Yes	No	No	No	50
Grass Clippings	No	Yes	Yes	Yes	No	No	0
Cores	No	Yes	Yes	Yes	No	No	0
Turf	No	Yes	Yes	Yes	No	No	0
Sand	No	Yes	Yes	Yes	No	No	0
Wood / Timber	No	Yes	Yes	Yes	No	No	0
Leaves	Yes	No	No	No	No	No	0
Detergents	No	No	No	No	No	Yes	10
Cooking Oils	No	No	No	No	No	Yes	400
Lubricants	No	No	Yes	No	No	Yes	200
Pesticide Containers	No	No	Yes	No	No	Yes	20
Fertiliser Bags	No	No	Yes	No	No	Yes	50
Oil Filters	No	No	Yes	No	No	Yes	10
Batteries	No	No	Yes	No	No	Yes	1000

Ljunghusen Golf Club has secure storage for hazardous material.

Hire containers for hazardous materials.

Leak proof storage for chemicals.

Leak basons for oil storage.

Save storage for fuel.

Avtal med containers för riskavfall.

Läckagebehållare för kemikalier och oljor.

Dieselbränsle i container för minimal risk för stöld och läckage.

Surveys

Ljunghusen Golf Club has not undertaken a waste audit.

Waste Water

Ljunghusen Golf Club manages its water as follows:

	Discharges to:	Legally Compliant?	Formal Discharge Agreement
Clubhouse	Mains Sewer	Yes	Waste Water Clubhouse Formal Discharge Arrangement
Accommodation	N/A	No	N/A
Maintenance	Mains Sewer	Yes	N/A

Facility

Wash Pad	Via Oil Separator	Yes	N/A
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Activities

Ljunghusen Golf Club undertakes the following activities to reduce resource consumption or minimise waste:

Recycle as much as possible, wash of grass from machinery in field, try to sort all waste before disposal.

- Contract for recycling waste from club House and amintenance

Compost, sand, wood

- Composting grass clippings collected from greens mowing. Reuse cores, sand, turf when rebuilding on the course. Members can collect wood using in their fireplaces. Chopping smaller branches for compost and used at paths.

Aims & Objectives

Ljunghusen Golf Club has the following key objectives for reducing, re-using and recycling waste, and minimizing resource consumption at source:

- Guidelines for handling waste. Goal to reduce waste by at least 25%.
- Rebuild wash pad to secure that no spillage runs in to open water.
- If possible compress cardbourads waste to minimize transport impact.
- Continue to educate staff in waste management practises.

Energy

We have changed from oilheating to heat pump and reduced the oil consumption in the Club House by 90%.

For the maintenance shed we have changed from electricity to heat pump. We have rebuilt irrigation pump stations for better energy efficiency. We have changed from petrol to diesel for less fule consumption and we are using electric golf buggies.

Vi har installerat värmepump för ytjordvärme och reducerat oljeförbrukningen med 90% i klubbhuset. Vi har ersatt direktel i personalrum med värmepump för ytjordvärme. Vi använder diesel i stället för bensin för banskötselmaskinerna vilket ger väsentligt mindre förbrukning och vi har eldrivna golfbilar.

Consumption

Energy and fuel use in 2009

- Electricity - 290000 Kwh
- Diesel - 11945 Litres

- Petrol - 956 Litres
- Hydraulic Oil - 200 Litres
- Heating Oil - 3000 Litres
- Propane - 1011 Litres

Energy and fuel use in 2008

- Electricity - 250000 Kwh
- Diesel - 12001 Litres
- Petrol - 1012 Litres
- Hydraulic Oil - 200 Litres
- Heating Oil - 12023 Litres
- Propane - 989 Litres

Energy and fuel use in 2007

- Electricity - 275000 Kwh
- Diesel - 12000 Litres
- Petrol - 1054 Litres
- Hydraulic Oil - 200 Litres
- Heating Oil - 12000 Litres
- Propane - 1042 Litres

Ljunghusen Golf Club has taken the following measures to diversify energy and fuel supply:

- Use of geothermal and / or ground source
- Biodiesel is not working in our machinery.
- Our diesel so called ecodiesel.

Surveys

Ljunghusen Golf Club has undertaken an Energy Audit:

2008-10-01 - Mats Ericsson and others in building committee

Carbon

Ljunghusen Golf Club has not begun to carbon footprint its operations.

Purchasing Policy and Sustainable Supply Chains

Ljunghusen Golf Club informs suppliers of its environmental preferences:

Buy in quantities that fit operationa to optimize transports.

Purchasing policy for Ljunghusen Golf Club

(1 = not important; 5 = very important)

- Performance Quality - 5
- Price - 3
- Supplier Service - 5
- Durability - 5
- Energy Efficiency - 5
- Recycleability - 5
- Pollution Risk - 5
- Packaging - 5
- Disposability - 5
- Local Produce - 5

Activities

Activities undertaken to record energy consumption:

- Meters on all consumption.

Activities undertaken to reduce energy consumption:

- Change from petrol to diesel for maintenance machinery.
- Electric carts.
- Changed from oil heating in Club Houses to geothermal heating.
- Sensors for lights in houses

Green purchasing activities undertaken:

- none

Departments involved in energy saving activities:

- Vellinge Kommun

Aims & Objectives

Ljunghusen Golf Club has the following key objectives for reducing energy use and moving towards cleaner and renewable energy supplies:

- Reducing oil for heating.
- Reducing electricity for heating and change in to geothermal heating sources.
- Using air-air heating pumps to reduce electricity use.
- Begin with Carbon Footprint

Education & Awareness

Knowledge

Employees of Ljunghusen Golf Club receive the following formal and informal environmental education:

- Pesticide storage, application and disposal
- Efficient water management
- Emergencies / accident management
- Habitat and vegetation management
- Waste minimisation, separation and recycling
- Health and safety
- Energy
- Landscape and cultural heritage issues
- Environmental management planning

Ljunghusen Golf Club keeps formal staff training records for these departments:

- Greenkeeping
- Administrative

Ljunghusen Golf Club keeps the following record of accidents in the workplace:

- Number
- Type
- Severity

Response plans for accidents and emergency situations at Ljunghusen Golf Club

Annual training for staff for emergency situations and an annual revised act plan.
Defibrillator in Club House and annual instructions for staff how to act in case of emergency.

Communications

Ljunghusen Golf Club undertakes the following internal environmental communications:

- Newsletters
- Members evenings
- Course walks
- Displaying awards
- Notice boards
- Poster displays
- Course guides / brochures
- Course signage

The most successful internal communications project at Ljunghusen Golf Club has been:

Through our environmental committee members, guests and staff are informed about our programme.

Ljunghusen Golf Club undertakes the following external environmental communications:

- Website
- Course walks / Open days
- Press releases
- Attending community meetings

- Brochures
- Joint practical projects with community
- Annual meeting with NGOs in our neighbourhood.

The most successful external communications project at Ljunghusen Golf Club has been:

Close cooperation with local NGOs.

Partnerships

Ljunghusen Golf Club works with the following external groups:

- Local environmental groups
- Neighbours
- Media
- Local government
- Local community groups
- Local businesses
- Authorities

The most successful partnership project at Ljunghusen Golf Club has been:

Close cooperation with local NGOs. We also communicate through local newspaper. Since we are in a nature reserved area we do have a very close cooperation with regional authorities.

Aims & Objectives

Ljunghusen Golf Club has the following key objectives for educating and raising environmental awareness amongst staff and golfers:

- Regular training programme.
- Inform golfers what happens on our ground and continue to make field walks with specialists that can update golfers about our rare nature.

Management Planning

Environmental Policy (PDF)

[Miljöpolicy Ljunghusens Golfklubb2.pdf](#)

Environmental Management Plan

Ljunghusen Golf Club has an Environmental Management Plan covering:

- Nature
- Landscape & Culture
- Water
- Turf

- Waste
- Energy
- Education & Awareness

The Management plan was first introduced: **1994-05-05**

Ljunghusen Golf Club review the management plan every:

- 12 Months
- 1 Years

Ljunghusen Golf Club monitor the progress of the scheme as follows:

On regular bases and at each board meeting we have environment on the agenda and the environmental working group report actual status.

Working Group

Ljunghusen Golf Club has an environmental working group, comprising the following individuals/organisations:

- Owner
- General Manager
- Course Manager
- Committee Members
- Local Environmental NGO

Accreditation

Ljunghusen Golf Club does not belong to any other accreditation or award schemes.

Key national environmental legislation with which Ljunghusen Golf Club complies:

- Maintenance programme for the nature reservation area where the golf course has its own part to fulfill since the nature reservation area was established 1986.
- None for the moment. We set our own goals to optimize water use for both irrigation and potable water for club houses and maintenance facilities.
- We don't have to separate waste but we've done this for several years and we've also managed to be allowed to separate and dispose waste at the local waste disposal station.
- A contract with a company to collect hazardous materials.
- None for the moment. But our goal is to reduce in any field we can even if there is no obligation.

Aims & Objectives

Ljunghusen Golf Club has the following key objectives for effectively planning its proactive and long-term environmental management:

- Reduce and minimize use of oil for heating.
- With geothermal heating also reduce use of electricity.

- With modern pump stations optimize energy use for irrigation.
- With modern machinery have the newest technology to get best fuel efficiency.

Verifier

- Mårten Wallb