

Helping the world fighting infections





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A breakthrough fighting infections

Next Generation SoftOx

Stable solutions at higher concentrations



Results achieved:

- Developing second generation SoftOx
 - Market leader on efficacy
 - Unique environmental profile
 - Efficient business model
- Abstract presented US Military Health System Research Symposium Aug 23

Respiratory Care



Next step:
Proof of Concept in humans



Results achieved

- Human safety proved
- Repeated studies in mice documented
- Prophylactic and curative effects towards virucidal infections
- Lead partner in EDF/Counteract*
- Partnership with University of Copenhagen

Wound Care



Next step: Establish separate company



Results achieved

- Proof of concept (PoC) in humans
- Reduction in bacterial load
- Decreased wound size

*EDF/Counteract (European Defense Fund)



Overview development of SoftOx the next 2 – 3 years

Wound and skin care

Today

Proof of concept on both treatment and prophylactic use in human

2024-25

Approval Medical device EU/US Phase 2 SBE Infection remover Outsource production First- and **Next- Generation Technology** Distribution Animal Health in EU

2026

Distribution of SoftOx wound cleanser in EU and US Sale or listing as separate unit

Respiratory

Today

Phase 1 human safety and proof of concept in animals

2024

Bridging the civil data into military application

2025/2026

Phase 1 Maximum Tolerated Dose finding study



Thase 2



Separate Funding

SoftOx in brief

Platform technology



Reinforcing nature's own ability to eradicate unwanted microbes

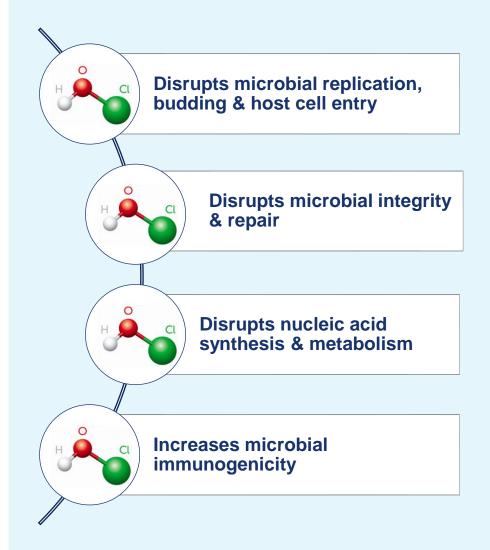
HYPOCHLOROUS ACID

Documented broad antimicrobial effect





Picture of HOCl in action within human immune cells





The chemical solution: Reinforcing nature's own ability to eradicate unwanted microbes

HYPOCHLOROUS ORGANIC ACID ACID Antimicrobial stabilizer Documented broad & biofilm eradicator antimicrobial effect

SOFTOX TECHNOLOGY

Strong pan-spectrum antimicrobial (virucidal/bactericidal) effects

Not shown to induce antimicrobial resistance

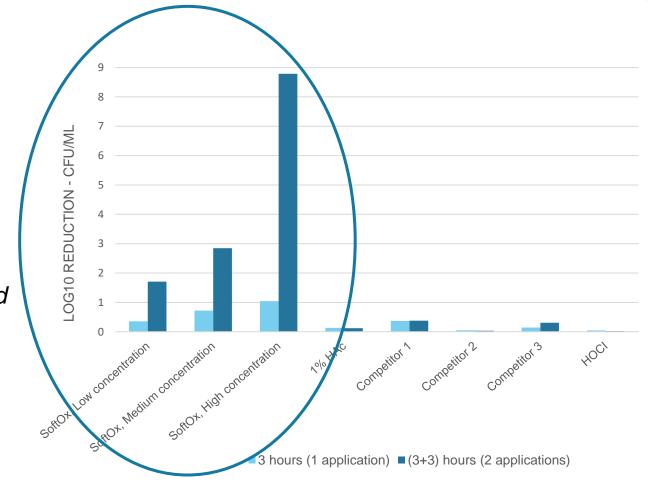
Good safety and tolerability profile - no systemic side effects

Stabilized formulation

Synergistic properties give unique ability to eradicate biofilm infections in wounds



Unrivalled combination effect on bacterial biofilms



SoftOx with increased amount of Acetic Acid

Outperforming market leading competitors

oftOx in brief SoftOx technology Wound care Commercial development Way forwar

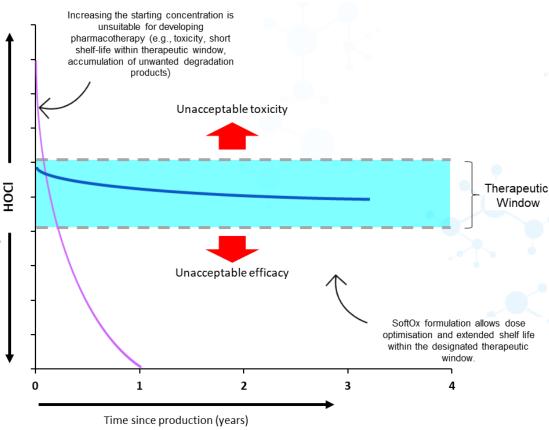


SoftOx Antimicrobial Technology

Next Generation SoftOx technology even better

- Final product is the same as todays SoftOx
- Stability, less than 5% degradation over 2 years
- Different acids to different needs
 - Including possibility to remove scent of acetic acid
 - Concentrations up to 1.000 ppm tested in human wounds
- Remain time for patents pending 19 years
- When double the amount of active substance
 - Increase the effect with 100 times (>log 5 vs >log 3)
 - Half the time required for disinfection

Illustration of the effect of stability and achieving optimal treatments in different indications



The Combination effect together with Second generation gives SoftOx a unique position

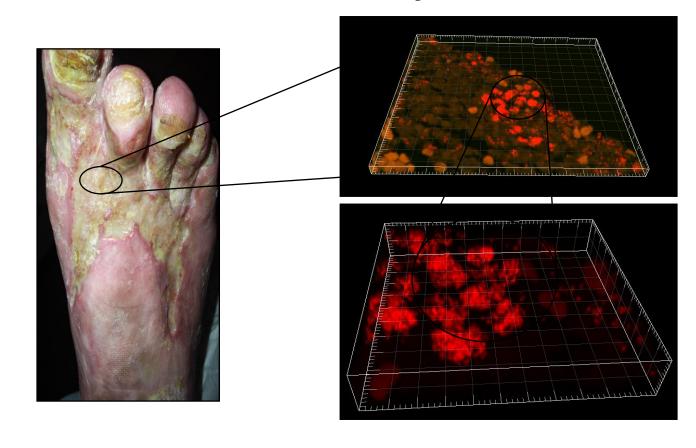
SoftOx in brief SoftOx technology Wound care Commercial development

Wound and Skin care



Chronic wounds, biofilms and antibiotic resistance – a major treath

- Chronic wounds impact the quality of life (QoL) of nearly 2.5% of the total population in the United States
- Diabetic foot ulcers (DFUs) (30.5%)
 have a comparable 5-year mortality rate
 to cancer (31%)
- Induces tolerant biofilms to induce new resistances
- Due to poor blood circulation, antibiotics often do not even reach the infection
- Due to dormant bacteria, the doses with antibiotics needed to be a to high to be safe

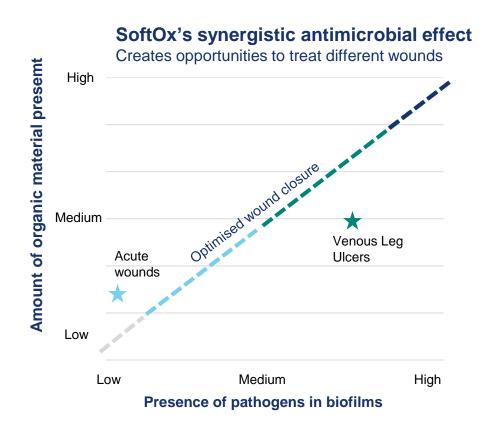


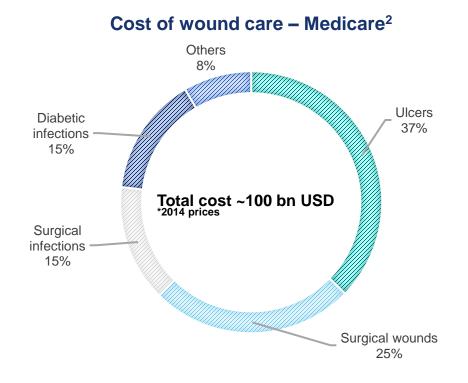
The global advanced wound care market is projected to reach \$18.7 billion by 2027

SoftOx in brief SoftOx technology Wound and skin care Respiratory infections Surface disinfection



The cost drivers in wound care – infections and lack of wound healing





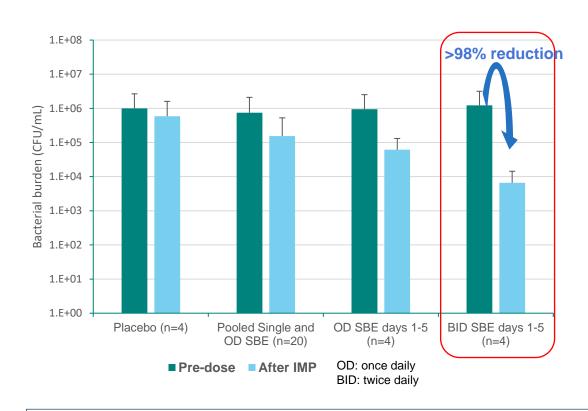
SoftOx in brief SoftOx technology Wound and skin care Respiratory infections Surface disinfection

[.] Effects of stabilized hypochlorous acid on re-epithelialization and bacterial bioburden in acute wounds, Ewa A Burian et al. Acta Derm Venereaol 5/2022

An Economic Evaluation of the Impact, Cost, and Medicare Policy Implications of Chronic Nonhealing Wounds, Samuel R. Nussbaum, MD et al. 2018



Results in treatment of leg ulcers (SBE-01) show >98% reduction in bacterial bioburden



Topline results

- Safe and well tolerated
- SBE formulations reduced the absolute number of bacteria (bacterial burden) in the wound compared with pre-dose (baseline)
- A dose dependent reduction in wound size was observed in multiple dose treatment groups

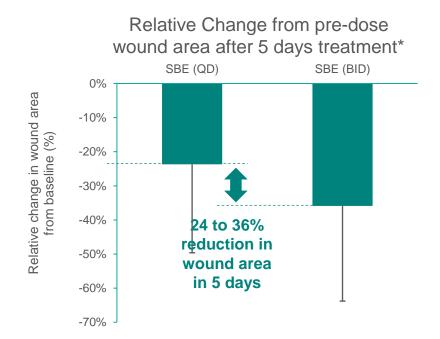
SoftOx answers on the unmet need for reduction in bioburden to promote wound healing*

*) SBE-01 trial pooled & multiple dosing groups. Data on file. Means ± standard deviation



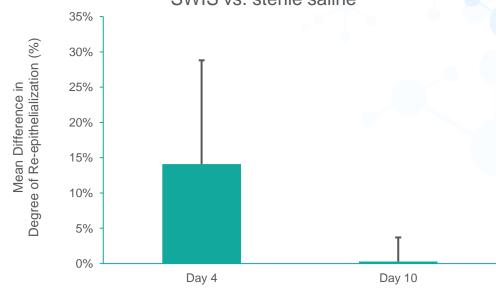
Wound healing observed in several clinical studies

Wound Healing SBE Phase 1b)



Wound Healing SWIS Confirmative Study





Observed dose dependent trend in reduction of wound size*

*) SBE-01 trial multiple dosing groups. Data on file. Means ± standard deviation



SoftOx Dental: Unique ability to remove oral biofilm and treat periodontitis



SoftOx Mouthwash

Aiding in the preventing disease development steps 2-4



A new penetrative mouthwash against sub-gingival biofilms in the fight against periodontitis

Goal: To replace/remove cosmetic competitors through dental professional market sales

Clinical significance of periodontitis:

- Over 538 million affected globally
- 276 million afflicted with tooth loss[1]
- Affects 46% of US adults over the age of 30
- 8 of 10 Europeans over 30 show signs of gum disease^[3]

The Oral Healthcare Market:

- Global market valued at \$30 50 billion
- Cosmetic mouthwash valued at \$1,5 bn

SoftOx Mouthwash can help ensure the complete removal of plaque*

*in conjunction with daily toothbrushing



Animal care – very similar to a human product portfolio

Pets – ~220 million household dogs and cats in US and Europe

Veterinarian pet market

Wound care, ears wash, eye cleansers and tooth wash SoftOx disinfectant will improve indoor climate



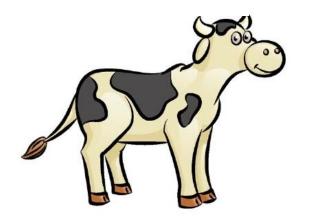
Surface disinfectant

Unique on decontamination of facilities, specially under disease outbreak; swine fever, mad cow decease and others

Other potential products

- Mastitis treatment and udder disinfectant with color
- Claw treatment and claw bath with color
- Disinfection of drinking- and milk systems
- Disinfectant of carcass in US





Regulatory fast track to market – large potential with the right partner

SoftOx in brief SoftOx technology Wound and skin care Respiratory infections Surface disinfections



The Wound and skin care drop down 2-3 years plan

- Finance the new company with a separate funding of Euro 10 million.
- Achieve regulatory approval of Medical Device wound cleanser in Europe and US.
- Perform Phase 2 for SoftOx Biofilm Eradicator (SBE):
 - The estimated probability of success is statistically over 80%.
 - According to the external valuation report the value will increase up to NOK 4 billion after successful phase 2 (see attachments).
- Establish an outsourced production for both first- and second-generation technology.
- Through partners and distributors, bring products to market within animal health care, human wound health care, oral health care and skin disinfection.
- Within two to three years list/sell the Wound and Skin care company on a relevant international market. If successful, Wound and Skin care can finance further development of SIS or be used to pay dividends to shareholders.

SoftOx in brief



Exit strategy wound care

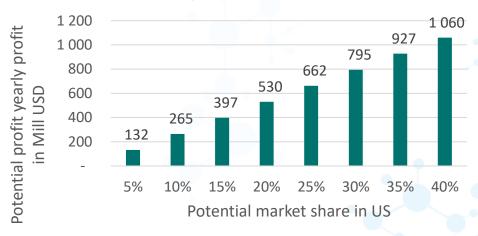
Valuation and market trends

- KWC, fair market value Wound Care MUSD 200
 PE 13 on yearly expected net licence fee
- KWC, fair market value will increase up to approx. NOK 4 billion after successful phase 2
- Summer 2023 Coloplast acquire Kerecis for USDbn 1,3, Turnover USDM 75, EBITA <30%, only US market, PEG 36

Why haven't we sold wound care already

- · International advisers, market value is too small
- Venture Capital lack of plan for commercialization
- Industry too little data
- Merger with NY listed company Board too early
 - Valuation wound care fair market value USD 200
 - 85% ownership in the merge company

Turnover potential in the US



Assumptions Turnover Potential US

- Avg price per patient is \$2,280, which equates to 35% of est. saving per patient in MedValue model
- Distributors are responsible for sale and take 50% of end user price
- Estimated EBITA 35%/COGS 20%

Exit - Sale of applications or technology platform or separate listing

oftOx in brief SoftOx technology **Wound and skin care** Respiratory infections Surface disinfection

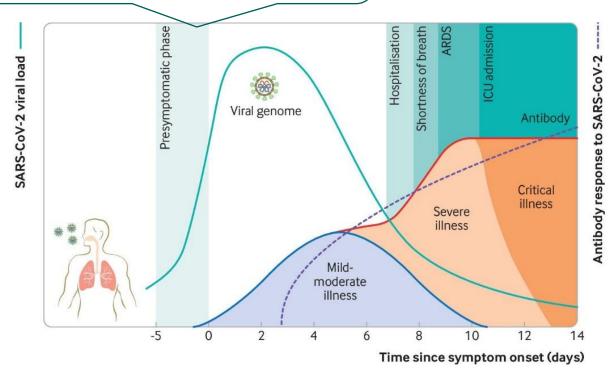
Respiratory care





Early intervention treatment: potential to impact peak viral load, time of viral peak and infection duration¹

Because SS0330/1 is directly virucidal, it is delivered directly to upper respiratory tract mucosal surfaces (sites of viral replication), and has the potential to reduce further disease transmission, the **target population are pre-symptomatic and early symptomatic patients**



Early intervention and direct virucidal activity is expected to:

- reduce peak viral load
- reduce time of viral peak
- reduce infection duration
- improve symptoms and/or avert severe illness as a result of a reduced viral AUC ^{1,2}

Epidemiologia 2020, 1(1), 5-15; https://doi.org/10.3390/epidemiologia1010003
 BMJ 2020; 371 doi: https://doi.org/10.1136/bmj.m3862/

SoftOx in brief

SoftOx technolog

Wound and skin care

Respiratory infections

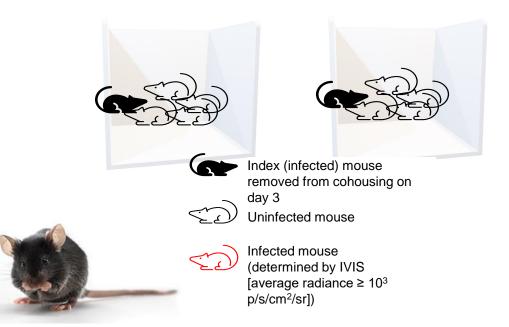
Surface disinfection



Respiratory care - Treatment and prevention

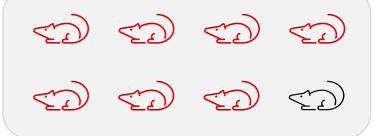
In vivo Proof of Concept - Post-exposure prophylaxis

Co-housing with infected mice & post-exposure prophylaxis with saline or SoftOx

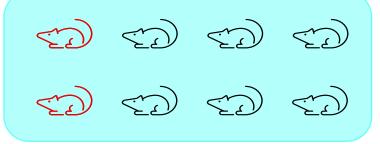




Saline Treatment Group



SoftOx Treatment Group



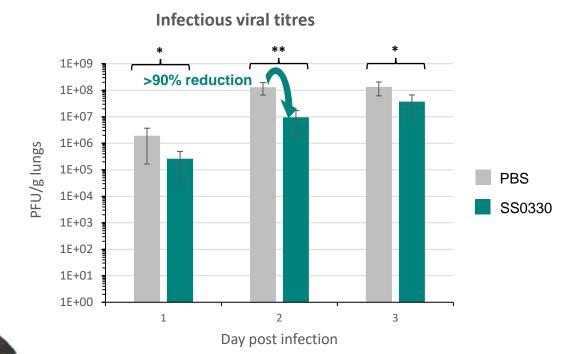
Data on file.

oftOx in brief SoftO

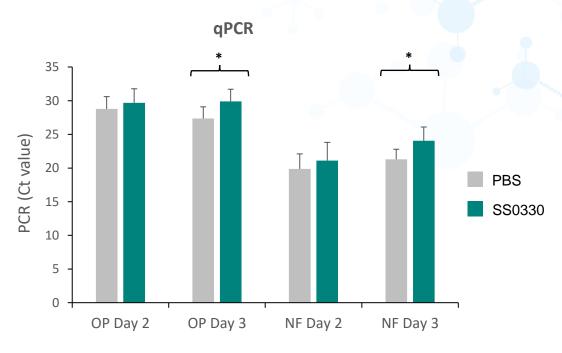


Respiratory care - dose dependent treatment effect in mice infected at day 0 with Influenza A virus

Twice daily treatment resulted in lower viral titres on post-infections days 1 to 3



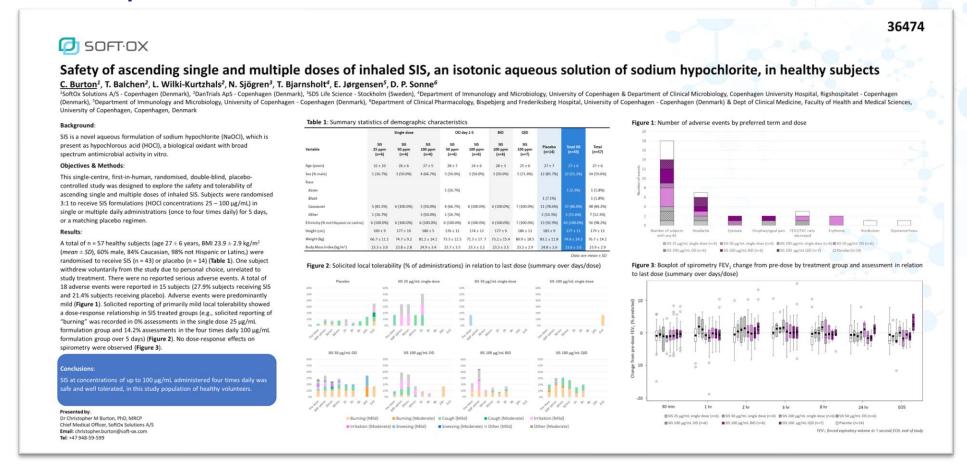
... and correspondingly higher qPCR cycle threshold values (day 3)



OP: Oropharyngeal swob, NF: Nasal flush Data on file. Mann-Whitney test, *(p < 0.01), **(p < 0.0001).



SIS-01: Nebulized formulation safe and well tolerated at all dose levels Randomized, placebo controlled, first in human trial in healthy volunteers Abstract presented to ERS 2022



SIS-01 trial (NCT05188638). Burton et al. ERS Congress 2022. Abstract #36474.

SoftOx in brief SoftOx technology Wound and skin care Respiratory infections



EDF/COUNTERACT project (*) Financed Phase I study (EDF/MOD) Progressing according to plan (2023-2025)



Key deliveries:

- Optimization of Next generation API (Active Pharmaceutical Ingredient)
 - Main partner: CR Competence
- Testing SIS 2.0 in vitro, in vivo and through different nebulizers and fogging systems
 - Main partners: University of Tous, University of Galway, University of Copenhagen, FFI (Forsvarets Forskningsinstitutt)
- Regulatory toxicology studies
 - Main partners: University of Tous, University of Galway, University of Copenhagen
- Phase Ib in healthy volunteers Maximum Tolerated Dose Study (Phase I)
 - Main Partner: University of Galway
- CMO production of SIS 2.0
 - Main Partner: CMO and CR Competence

(*) European agile network for medical COUNTERmeasures Against CBRN Threats



The COUNTERACT project will also benefit the civilian development of SIS



Pathway to exit

EUA biologic countermeasure with 3-year

stockpiling

Volume: Price:





Acute Exacerbation of **COPD** prevention

Volume:

Price: €€

compensated by larger increase in volumes opportunity to go OTC

MNOK 80 - Expected total cost of Proof of Concept in phase 2

Hospital acquired,* ventilator associated pneumonia prevention

Volume:

Price: €€€

Price increase justified by full regulatory approval within a high-cost care

Influenza like-illness**

treatment +/prevention

Price: €€

Volume:

Lower price due to shared development and different drug (efficacy

MNOK 40 - Expected total cost of Proof of Concept in phase 2

Civil phase 2 expected to create first incomes sale to preparedness

Exit - Sale of applications or technology platform after phase 2 or separate listing

Respiratory infections

Summary





Key takeaways



Targeting a \$40bn+ market



High profitability



Proven effect
Successful clinical trial
in humans



Strong platform with great potential for many products/segments



Strong patents protecting IP



Commercial Phase



Collaboration outsourced product

outsourced product development



Huge unmet medical need

and no antimicrobial resistance





Unique solution for eradicating infections and fighting antimicrobial resistance

Contact Information: <u>ir@soft-ox.com</u>

Euronext Growth ticker: SOFTX





Board of directors

Board of Directors



Geir H. Almås Executive Chairman

- Extensive experience from business development in Norway and Poland
- Previously PwC and KLP Asset Management
- MSc in business administration (BI) and Chartered Accountant (NHH)



Olav Jarlsby Non-Executive Director

- Former Counsel & Attorneyat-law, Elopak AS
- LL.M. law (UiO)



Henrik Nielsen Non-Executive Director

- · Founder & CEO at CAP Partner
- Director of the European Wound Management Association
- Advisory Council Member for EXCITE International
- Expertise in association management, advocacy, fundraising and organization as well as many years of experience in the medical device industry



Jørgen Berggrav Non-Executive Director

- Many diverse roles in Armed Forces as submarine commanding officer, Defence attaché, Director General in the Ministry of Defence, representative to the Supreme Allied Commander Transformation and "NATO's operational command, SHAPE.
- Royal Norwegian Naval Academy; German Command and General Staff Academy; Norwegian Defence University College



Adrian Bignami Non-Executive Director

- · Early co-inventor of the SoftOx technology
- Vice President of Finance, Business Planning and Analysis at C4 Therapeutics, Inc
- Over 20 years of experience in management consulting, investment banking, entrepreneurship, business development and corporate finance across pharmaceutical and biotechnology sectors
- SM, Biomedical Enterprise Program, Harvard-MIT Health Sciences and Technology & MBA, (MIT Sloan School of Management)



Management and financial team

Organization Leadership



Johan Christian Harstad Chief Executive Officer

- Former submarine commander and deputy leader in the Norwegian Special Operation Forces with rank of Commodore
- Experience with US Special Operations Command, Norwegian Armed Forces central staff, and Ministry of Defence
- Security policy and foreign relations studies at the US Naval War College



Harald Saetvedt Chief Financial Officer

- Extensive experience as senior executive, capital market advisor and board director with more than 20 years of experience
- Previously Clarksons Platou Securities and Pareto Securities
- MSc in financial economics (BI)



Ingrid Juven Chief Operating Officer

- 25+ years of consulting and management expertise within a variety of industries
- Previously Director at EY and Partner at Frost Nordic
- MBA in management and marketing (BI)



Elin Jørgensen, DVM, PhD International Senior Project Manager

- DVM with broad clinical experience and profound research experience with infection models, especially wound models, including biofilm infected wounds
- Lead on SoftOx' commitment in the EDF project COUNTERACT (9 WPs) with development of SoftOx inhalation solution
- SoftOx R&D expert and veterinary advisor



Klaus Kirketerp Møller, MD, PhD Co-inventor/ Scientific Advisory Board Member

- Medical Doctor, PhD at Copenhagen Wound Healing Center,
- Bispebjerg Hospital Denmark
- Co-inventor of the SoftOx technology
- 15+ years' research focus on chronic wounds and bacterial biofilms



Dr Thomas Bjarnsholt Chief Scientific Officer

- Expert in the role of bacterial and fungal biofilms in chronic infections with over 245 peer-reviewed publications
- Co-inventor of the technology with financial rights
- Professor at the Costerton Biofilm Center, Department of Immunology and Microbiology (University of Copenhagen)
- Member of the Global Wound Biofilm Expert Panel