


Proposal Evaluation Form

	EUROPEAN COMMISSION	Evaluation Summary Report
	Horizon 2020 - Research and Innovation Framework Programme	

Call: H2020-SMEINST-2-2015_18-03-2015
Funding scheme: SME instrument phase 2
Proposal number: 684440
Proposal acronym: NAD
Duration (months): 24
Proposal title: NAD – A Natural Anti-bacterial nano-Dressing
Activity: NMP-25-2015-P

N.	Proposer name	Country	Total Cost	%	Grant Requested	%
1	Leonardino S.r.l.	IT	1,461,250	100.00%	1,022,875	100.00%
	Total:		1,461,250		1,022,875	

Abstract:

NAD is a nano-structured patch made entirely of silk fibroin, designed for wounds dressing, in particular addressed to chronic and complex healing. NAD is absolutely innovative because it changes the approach towards the wound and possible infections: its antibacterial effect, unlike the traditional solutions that release antibacterial agents or antibiotics, is based on a physical principle (due to the hydrophobic interaction) and on morphological affinity (due to the nanostructure) with the bacteria. This new solution offers several advantages, among which: lack of release of substances, no time limits in the treatment, absence of sensitization, removal of part of the bacterial load at each dressing change, no risk of development of resistant strains of bacteria, reduction in hospital costs resulting from lower intermediate revisions needed during medical treatment and lower costs of hospital waste's disposal. To date there is no similar product on the market by type of material, morphological characteristics and production processes: NAD intends to meet the growing demand for medical devices and innovative therapeutic solutions required by the wound management industry, acting as a primary innovative and alternative dressing solution. NAD can be used paired with any therapy without adverse interaction, yet ensuring an antibacterial action on the wound both outside (by acting as a filter) and inside (acting as an attraction). Considering the increasing growth of age in the global population and the resulting need of new advanced and smart solution in the field of wound management, NAD can play a disruptive role and provide competitiveness to the EU market.

Evaluation Summary Report

Evaluation Result

Total score: 11.77 (Threshold: 12)

Form information

Operational Capacity

Status: **Operational Capacity: Yes**

If NO, please indicate the partner(s) concerned, and provide a short explanation. In any case, evaluate the full proposal, taking into account all partners and activities.

Not provided

Criterion 1 - Impact

Score: **3.92** (Threshold: 4/5.00 , Weight: -)

Note: Where appropriate, the application should make reference to the successfully finalised Phase 1 project.

The proposal indicates in a convincing way that there will be demand/market (willing to pay) for the innovation when the product /solution is introduced into the market

Fair to Good

The targeted users or user groups of the final product/application, and their needs, are well described and the proposal provides a realistic description of why the identified groups will have an interest in using/buying the product/application, compared to current solutions available

Fair to Good

The proposal provides a realistic and relevant analysis of market conditions, total available market size and growth rate, competitors and competitive solutions and key stakeholders, clear opportunities for market introduction

Good to Very Good

It is described in a realistic and relevant way how the innovation has the potential to boost the growth of the applying company

Fair to Good

The proposal demonstrates the alignment with the overall strategy of the participating SME(s) and the need for commercial and management experience, including understanding of the financial and organisational requirements for commercial exploitation as well as key third parties needed

Fair to Good

The innovation /solution has a clear European dimension both with respect to commercialisation and with respect to competitor / competition evaluation

Good to Very Good

The strategy plan for commercialisation is described in a realistic and relevant way, including approximate time to

market/deployment. Activities to be further developed after phase 2, including additional dissemination measures, are well outlined

Good to Very Good

Measures to ensure "freedom to operate" (possibility of commercial exploitation) are realistic and there is a convincing strategy of knowledge protection, including current IPR filing status, IPR ownership and licensing issues. Regulatory and/or standard requirements are well addressed

Good to Very Good

Overall perception including other pertinent factors (e.g. communication) not covered by the above questions (25% weight in the assessment)

Good to Very Good

Criterion 2 - Excellence

Score: **3.86** (Threshold: 3/5.00 , Weight: -)

The innovation aims new market opportunities addressing EU/global challenges

Fair to Good

The included feasibility assessment demonstrates the technological/practical/economic viability of the innovation.

Good to Very Good

The proposal provides a realistic description of the current stage of development (TRL 6 - see note 1- or similar for non-technological innovations) and added value of its innovation as well as very good understanding of the competing solutions. Includes good comparison with state-of-the-art, known commercial solutions, including costs, environmental benefits, gender dimension- see note 2-, ease-of-use and other features.

Note1: Technology Readiness level (TRL) is a measure used to assess the maturity of evolving technologies. Please see part G of the General Annexes.

Note 2: In relation to the project content, e.g. gender studies, clinical trials, etc.

Good to Very Good

The objectives for the project as well as the approach and activities to be developed are consistent with the expected impact (commercialisation/deployment). Specifications for the outcome of the project and criteria for success are well defined

Good to Very Good

The expected performances of the innovation are convincing and have the potential to be relevant from a commercial point of view (Value for money). It is potentially better than alternatives

Fair to Good

The proposal reflects a very good understanding of both risks and opportunities related to a successful market introduction of the innovation, both from a technical, commercial point of view.

Good to Very Good

Overall perception including other pertinent factors not covered by the above questions (25% weight in the assessment)

Good to Very Good

Criterion 3 - Quality and efficiency of implementation

Score: **3.99** (Threshold: 3/5.00 , Weight: -)

The proposal demonstrates that the project has the relevant resources (personnel, facilities, networks, etc.) to develop its activities in the most suitable conditions. If relevant, describes in a realistic way how key stakeholders / partners / subcontractors could be involved and why and how they were selected (subcontractors must be selected using best value-for-money principles). (Where relevant/) Participants in a consortium are complementary

Good to Very Good

The team has relevant technical/scientific knowledge/management experience, and a very good understanding of the relevant market aspects for the particular innovation. If relevant the proposal includes a plan to acquire missing competences, namely through partnerships or subcontracting (subcontractors must be selected using best value-for-money principles)

Good to Very Good

Taking the project's ambition and objectives into account, the proposal includes a realistic time frame and a comprehensive implementation description

Good to Very Good

The work package descriptions and major deliverables and milestones are realistic and relevant, including appropriateness of the allocation of tasks and resources, risk and innovation management

Good to Very Good

Overall perception including other pertinent factors not covered by the above questions (25% weight in the assessment of this criterion)

Good to Very Good

Proposal content corresponds, wholly or in part, to the topic description against which it is submitted, in the relevant work programme part

Status: **Yes**

Not provided