



## **Technology Demonstrator Open Call 2021 under the DIH-HERO Innovation Action**

### **Applicant guide**

Please note that this applicant guide may be used for information purposes only. The information given in this guide may be subject to changes. This document is subject to revision. Please visit [www.dih-hero.eu](http://www.dih-hero.eu) to ensure that you have the latest version

Proposals will have to be submitted using the online application form provided at [www.dih-hero.eu](http://www.dih-hero.eu)

Version: 2.0

Date: May 5, 2021

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 825003. This report reflects only the author's view. The European Commission is not responsible for any use that may be made of the information it contains.



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## 1. About DIH-HERO

Europe has numerous global healthcare equipment suppliers, and the sector has massive potential for robotic applications. Technologically Europe has a lot to offer, but the wide-scale adoption of robotic technology in the healthcare sector is at this moment limited yet promising. Although, it can be observed that the entrance threshold declines robot technology is getting cheaper, and the number of robotics engineers who graduate from universities doubles every three years, it is also true that many innovations often do not reach the market.

The major objective of the DIH-HERO project (Digital Innovation Hubs in Healthcare Robotics) is to establish a broad-based pan-European network of Digital Innovation Hubs specialized in Healthcare Robotics. The network focuses on providing services that connect business and healthcare stakeholders in developing innovative products and services for the healthcare market. It establishes channels between healthcare and technology providers that reduce barriers to adoption and create a strong mutual understanding between robotics technology innovators and healthcare professionals. Each hub partner is aimed to deliver both technical and medical expertise to the consortium through their pre-existing operational relationships with hospitals and healthcare facilities. This initiative unites expertise in business development, access to finance and innovation to robotics technology, and healthcare expertise in a network of hubs that will connect and stimulate robotics innovation in all aspects of healthcare. DIH-HERO is built on concrete plans to sustain the network beyond the time span of the project and to provide a long-term network for innovators in healthcare. The network of Digital Innovation Hubs created and supported by DIH-HERO will ensure that robotics innovation in healthcare is accelerated, that SME can develop global reach, and that the advantages of robotics-based healthcare can be propagated across Europe.

The current applicant guide is meant to provide detailed information concerning the DIH-HERO Technology Demonstrator Call (TD) 2021. This call is planned to be open for proposal submission from the 1st of April 2021 until the 30th of June 2021, 23:59 CET.

## 2. General Description of the Technology Demonstrator Call (TD) call

### 2.1 Purpose of TD call

The Technology Demonstrator call is meant to accelerate the development of Healthcare Robotics by demonstrating the feasibility of new, innovative and enhanced robotic solutions in healthcare application domains. By offering financial support of max. €100.000 per Technology Demonstrator, the DIH-HERO network is aimed to improve and broaden the uptake of robotics solutions and increase future investments in robotics in healthcare. DIH-HERO strives for a minimum of at least 2 awarded TD projects per application domain (see page 4 for the application domains) per call.

### 2.2 Who can apply?

Only legal entities being **SMEs or “slightly larger companies”** and operating in the healthcare and/ or robotics sector within the [EU \(its associated countries\) and EEA countries\\*](#) are eligible for FSTP funding. This means that only **SMEs** that fulfill the criteria of the general SME definition stated in article 2 of the annex to Recommendation 2003/361 EC are allowed to apply for the TDs. These criteria can be summarized as follows:

“To count as an SME, your organization must be engaged in an economic activity and must have:

- fewer than 250 employees
- and
- an annual turnover of no more than €50 million and/or a balance sheet of no more than €43 million

\* Please note the according to the EC funding and tenders portal UK entities fulfilling the criteria currently also remain to be eligible to participate and receive funding in Horizon 2020 actions until their closure, irrespective of call deadlines, action starting dates or the entry into force of the Agreement (i.e. also if these dates fall after 31 December 2020).



Furthermore, the term “**slightly larger companies**” can be defined as follows:

“To count as a “slightly larger company”, your organization must be engaged in an economic activity and must have:

- fewer than 500 employees
- and
- an annual turnover of no more than €100 million.

Whether you count as an SME or slightly larger company may depend on how you count your workforce, turnover, or balance sheet. Please note that you must take into account any relationships you have with other enterprises. Depending on the category in which your enterprise fits, you may then need to add some or all of the data.

## 2.3 Type of activity qualifying for financial support and major application domains

The major aim of the Technology Demonstrator project is to demonstrate a working solution addressing a specific clinical healthcare problem in one of the following major application domains in Healthcare robotics:

- Diagnostic Robotics
- Interventional Robotics
- Rehabilitation Robotics
- Robotics supporting patients
- Robotics supporting healthcare professionals

In addition, proposals must clearly state the clinical relevance of and demand for this solution, have a clear linkage to the end-user, and lastly describe how the DIH-HERO network will be involved in the project using the expertise / services.

## 2.4 How to build the project consortium

The project consortium must at least consist of 2 parties from 2 different EU/EEA countries:

*Either*

2 SMEs or slightly larger companies from 2 different EU/EEA countries

*Or*

1 SME or slightly larger company and 1 end-user (e.g. a hospital) from 2 different EU/EEA countries

Please note that when a consortium consists of other parties than SMEs only the SMEs will receive funding.

## 2.5 Conflict of interest

- DIH-HERO core partners cannot receive any financial support from the FSTP calls provided under the current innovation action. Therefore, applicants cannot include DIH-HERO core partners in their consortia. In addition, DIH-HERO core partners must not have any shares, legal link or any other kind of other involvement in the applying organizations.

## 2.6 Duration, start and end date of the TD

The maximum duration of a TD project is 9 months. The funding contract will have to be signed within a period of 4 weeks after receipt and will have to be returned to DIH-HERO afterwards. After signing the contract, the awarded TD project consortia will have one preparation month before starting the project. The TD project consortia that start the project later than one month after signing the contract, will have less time to execute the project. Starting earlier than a month after signing is possible.



### 3. Eligibility

#### 3.1 General eligibility criteria

**All** of the following eligibility criteria will have to be fulfilled for a TD project to be funded:

1. Third parties receiving financial support must be a legal entity, being an SME or slightly bigger companies from EU / EEA countries.
2. At least two parties must be involved (either two SME's or slightly larger companies from two different EU/EEA countries, or one SME or slightly larger company and one end-user (e.g. hospital) two from 2 different EU/EEA countries;
3. The proposal must clearly state the relevant clinical demand for the intended robotic solution including a clear linkage to end-users.
4. The proposal must address expertise and/or services of the DIH-HERO network.
5. The proposal must fit the call text.
6. A third party may not receive more than 300k FSTP for the entire action duration.
7. The proposal must be written in English and submitted via the portal before the deadline.
8. There must be no conflicts of interest with consortium partners.
9. Third parties receiving financial support should be financially healthy (they have to sign a declaration of no financial problems).

#### 3.2 Eligible cost categories

Costs incurred in the following cost categories will be regarded as being eligible for reimbursement according to EC guidelines:

- Direct personnel costs
- Direct costs of subcontracting (maximum of 15% of the total estimated budget)  
whereas,
  - subcontracting has to be necessary to implement the action.
  - subcontracting may cover only a limited part of the action.
  - awarding of subcontracts must be done ensuring the best value for money or, if appropriate, the lowest price principle.
  - any conflict of interests must be avoided.
- Other services and goods
  - Direct travel and subsistence cost
  - Equipment
  - Other goods and services
- Indirect costs (25% of direct personnel costs and other direct costs)

### 4. Payment terms and reimbursement rates

The payment structure will be for the Technology Demonstrator projects is defined as follows:

- 70% of the payment will be released at contract signature and
- 30% after the final report has been submitted and approved.

The reimbursement rate for the eligible costs incurred is 100%.



### 3. The application process

#### 3.1 Proposal preparation

##### 3.1.1 Proposal language

Any proposal for the technology demonstrator call under the innovation action DIH-HERO will have to be prepared and submitted in the English language. Proposals prepared in another language will not be taken into consideration.

##### 3.1.2 Proposal contents

Any Technology Demonstrator proposal should at least contain the following information (see also Annex I for an example of the online application form):

##### 1. Administrative Data (to be filled in the online application form)

- Basic contact data of the TD project partners
- Key Data of the TD Project
- Full title of the TD
- Short name of the TD
- Brief description (short abstract of approx. 8 -10 lines)
- Targeted application domain
- Current TRL
- Project duration
- Statement on legal agreement describing the rights and duties of each party to be negotiated among TD consortium partners and Statement on the TD announcement for publication (both given in the online form)

##### 2. Description of the TD

The [proposal template](#) provides an elaborate overview of sections that need to be present in the TD proposal for it to be considered. The following sections as described in the proposal template will serve as the primary evaluation criteria:

##### Excellence (weight 30%) (max. 2 Pages)

- Ambition of the proposed experiment
- Innovative nature of the technologies, products, or services offered
- Soundness of the technical approach
- Novel use of value chains inside and outside healthcare

##### Impact (weight 40%) (max. 2 Pages)

- Market opportunity and market readiness level
- Commercial Strategy and Scalability (generation of new business)
- Healthcare Impact (value added, service quality, and outcome improvement)
- Economic impact (e.g. cost-saving and job transformation, skill enhancement, etc.)
- Development of business model and funding plan
- Contribution to and adoption of standards
- Contribution to EU wide adoption of Robotics in Healthcare

##### Implementation (weight 30%) (max. 2 Pages)

- End-User involvement and alignment with the proposal



- Team capabilities and management capacity of action
- Resource utilisation and efficiency

TD Partner profiles (max. 0.5 -1 page per partner)

Ethical issues, data protection, and privacy (max. 2 pages)

### 3. [TD Budget estimation](#)

### 4. [Signed declaration of honour](#) (from all partners, combined in one document)

### 5. [Signed declaration of informed consent for data processing](#) (from all partners, combined in one document)

### 6. Questions for statistical purposes (included in the online application form)

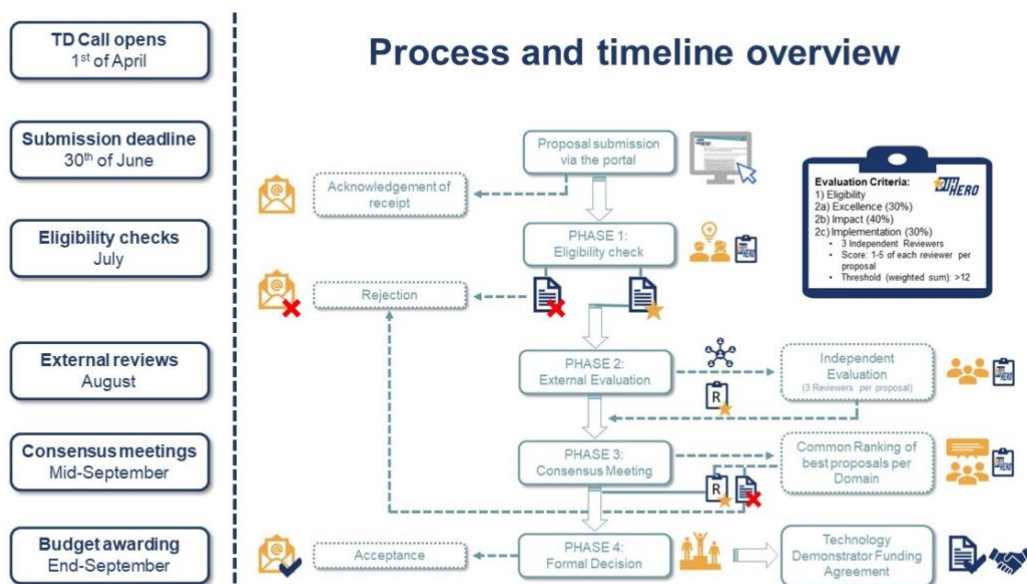
## 3.2 Proposal submission

Eligible proposals are to be submitted via the DIH-HERO online portal <http://dih-hero.eu>. Generally, proposals submitted by any other means will not be taken into consideration. However, to ensure the accessibility of the submission form to anyone it is in exceptional cases also possible to download the submission form and send it to [dih-healthcare@utwente.nl](mailto:dih-healthcare@utwente.nl). Once the proposal has been uploaded it can be edited or updated by logging in to the portal, until the deadline on the 30th of June. Two to three weeks before the deadline, there will be an opportunity for a preliminary completeness check, which is highly recommended. With this check, DIH-HERO will not in any way give feedback on the content of the proposal and will only check whether everything is in order for the proposal to be considered. Requests to review the completeness of a proposal after the deadline for the preliminary completeness check, will not be considered. A TD project consortium is only allowed to submit one proposal per TD call. In case more than one proposal is submitted by one TD project consortium, only one proposal submitted will be taken into consideration. The submission platform will allow the applicant to download the complete proposal for reference.

Shortly after proposal submission, an automatically generated acknowledgment of receipt will be sent to the applicant's email address. Please note that this acknowledgment of receipt does not imply that the proposal has been accepted as eligible for evaluation. During the course of the project, a survey may be conducted among all applicants.

## 3.3 Proposal evaluation and selection

### 3.3.1. The different reviewing and evaluation phases





- Phase 1: Eligibility check

Basic eligibility evaluation according to the eligibility criteria stated in section 3.

- Phase 2: External Review

The FSTP team will engage experts for evaluating the proposals and ensure that they are independent of the organizations involved in the DIH-HERO consortium and from any proposer. Each proposal will be reviewed by three independent reviewers. Each evaluator will rank the application by a score from 0 to 5 for each criterion, administered in an Individual Evaluation Report. The final score will be calculated as the sum of the individual assessments provided by the Evaluators. The default threshold for individual criteria (Excellence, Impact, and Implementation) is 3. The default overall threshold (the weighted sum of the three individual scores) is 12.

- Phase 3: Consensus

All Individual Evaluation Reports will be combined and discussed at a consensus meeting where all reviewers will be present. The outcome of the evaluation will be a ranked list of all proposals, based on the scores obtained by each proposal and the final discussions of the reviewers at the consensus meeting.

- Phase 4: Ranking

First, the two highest-ranked proposals per robotics in the healthcare application domain (as defined in the call criteria) are selected. Second, all proposals are selected based on their ranking on the entire ranked list of proposals. If a consortium is chosen to be awarded, it will only receive the requested amount as mentioned in their respective budget proposal up to a maximum amount of €100,000.

## 4. Ethics

The Research activities in Horizon 2020, and hence in DIH-HERO, shall respect fundamental ethical principles, particularly those outlined in “The European Code of Conduct for Research Integrity”. Personal data must be protected and processed in compliance with the applicable EU and national law on data protection (including authorisations or notification requirements), under Regulation No 45/2001 to implement, manage and monitor the TD or protecting the financial interests of the EU (including checks, reviews, audits, and investigations). This regulation is from the European Parliament and the Council of 18 December 2000 on the protection of individuals concerning the processing of personal data by the Community institutions and bodies and on the free movement of such data (OJ L 8, 12.01.2001, p. 1). Ethical issues might refer to research with respect to e.g. humans, protection and processing of personal data, animals, environmental protection, and safety, etc. If any ethical issues apply to the TD prior to its starting date, they must be addressed in the TD proposal. On request, additional information on ethical aspects will be provided by the applicants, allowing DIH-HERO to perform an ethics review. If any ethical issues arise during the TD run time, they must be immediately communicated to DIH-HERO by sending an email to: [dih-healthcare@utwente.nl](mailto:dih-healthcare@utwente.nl). A checklist summarizes any potential ethical issues that a TD proposal could raise and gives guidance on how the issues should be briefly described and how measures should be implemented.

## 5. Contract

Once an applicant has been awarded funding for a technology demonstrator, a funding agreement will be signed between the awarded lead SME/ slightly larger company and the coordinator of the DIH-HERO innovation action, representing the DIH-HERO consortium members.



## 6. TD Monitoring and Reporting

The reporting will take place via the DIH-HERO portal. The midterm and final reports will be produced by third parties will be evaluated by a review team consisting of the assigned Innovation Coach plus 2 Innovation Coaches of other projects.

## 7. Possibility for participation in the different DIH-HERO open calls

SMEs and slightly larger companies also have the possibility to participate in different DIH-HERO open calls to apply for financial support for technology demonstrators as well as technology transfer experiments during the course of the DIH-HERO innovation action. However, the maximum possible financial support for any SME or slightly larger company is limited to €300,000. In addition, the applicant is not allowed to hand-in multiple proposals within the different Digital Innovation Hubs Projects Trinity, DIH2, and RIMA. Proposals may be cross-checked in this regard.

## 8. Support to applicants

For further information and questions regarding the 1st the open call for travel vouchers under the DIH-HERO innovation action, the applicable eligibility criteria, and the evaluation or in case of any technical problems concerning the submission of the proposal via the online portal, please contact the project coordinator by sending an email to: [diH-healthcare@utwente.nl](mailto:diH-healthcare@utwente.nl)

When contacting the Helpdesk, please include the following:

- a. Your username, telephone number, and email address;
- b. A detailed description of the specific problem
- c. If possible, screenshots of the problem.



## 9. Frequently asked questions

### 9.1 Forming a TD consortium

#### **Is there a limit on the number of partners that may take part in the TD project?**

There must be minimal two partners from two different countries: either 2 SMEs/ Slightly larger companies or 1 SME/ slightly larger company and 1 end-user collaborating on and executing a TD project. There is no maximum limit of partners, however the collaboration of the partners and the involvement of each partner must be visible in the proposal.

#### **Are knowledge institutes, in addition to SMEs, eligible for these calls?**

Knowledge institutes not being an SME or slightly larger company may take part in a TD project in addition to 2 SME/slightly larger companies from two different EU/EEA countries or 1 SME/slightly larger companies and 1 end-user from two different EU/EEA countries. Please note that, only SME/slightly larger companies are eligible for funding. However, the DIH-HERO network offers various benefits beyond the financial support also for knowledge institutes.

#### **Can one SME submit more than one application for each one call, teaming up with different partners in each submission?**

Yes, this is possible. However, the maximum possible financial support for any SME or slightly larger company is limited to €300,000. In addition, it is not possible to have the same proposal content funded twice.

### 9.2 Role of the DIH-HERO partner

#### **What exactly will be the role of the DIH-partners?**

Each of the DIH-HERO partners represents a Digital Innovation Hub consisting of several parties offering a variety of services. The partners are in close contact with the different parties within their hub and can facilitate making contact with one of the service partners. The initial service catalogue can be found [here](#).

#### **Are the DIH-HERO partners going to provide knowledge and access to possible facilities in order to execute a granted proposal?**

Different innovation coaches have been announced by each DIH-HERO partner. One of those innovation coaches will be assigned to each of the awarded projects. The main tasks of the innovation coaches will be: giving advice during the execution phase of the project where necessary, monitoring the project's progress and facilitating access to services of the network

### 9.3 Forming a TD consortium

#### **Do we have to include the administrative information in the pdf of the TD proposal?**

No, this is not necessary. The administrative information can be filled-in in the online application form.

#### **How can we sign up in the platform in order to save our proposal for later?**

If you have started the submission process, it is possible to stop and continue later through clicking on the "save and continue later" button right next to the next button. By clicking on save and continue later, you will be redirected to the page where a link is given. You can save this link or have it send to you via email. Through this link you can go back to the place in the form, where you stopped. The link will be valid 30 days.



**The system does not accept the pdf. file I would like to upload, what shall I do?**

It is not possible to upload editable pdf. formats. Please save the file in a simple pdf. format and try again.

**Is it possible submit more pages than the maximum page limits given in the call documents?**

The page limits given for the excellence, impact and implementation part of the proposal have been set on purpose to make it convenient for the applicants to apply, to limit the workload for the evaluators and to get proposals which are focused and to the point.

**How can we include the hourly costs of freelancers working for the partner organisations?**

There are basically 2 options:

- a) As work for Third Parties (Subcontracting) through contract;
- b) As Personnel costs (hour x rate).

The only freelance activities that qualify as actual personnel costs are those performed by natural persons (not companies) that are directly contracted by the beneficiary in a non-employee arrangement.

General Conditions:

- a) The work carried out must comply with the general conditions for eligible costs, i.e. carried out during the duration of the project and necessary.
- b) There must be a direct contract between the natural person (person) and the beneficiary;
- c) The person must work according to the beneficiary's instructions;
- d) The result (s) of the work must belong to the beneficiary;
- e) The hourly rate may not differ significantly from that of staff performing similar duties under an employment contract with the beneficiary;
- f) The person must work under conditions that are comparable to those of an employee.

**Is it in line with the call rules if the total project cost exceeds the total funding amount for each of the calls?**

Yes, the total project costs may exceed the max. funding amount. However, it is only possible to receive a maximum funding amount per call from DIH-HERO for a project, while the rest of the costs will then have to be bared by the partners. The intention to finance the remaining costs from own resources is basically every euro above the maximum funding amount.

**Considering that equipment is intended to be bought exclusively for project is it possible to report the total equipment cost for the project?**

Yes, you can charge 100% of the equipment when needed exclusively for the demonstration or transfer experiment. You will only have to take into account the months you are going to use the equipment. So if the equipment is depreciated in 36 months and the project duration is 9 months, you will only be able to charge 9/36.

**Should the Declaration of Honor and Declaration of informed consent be signed only by the project coordinator or by all partners?**

Yes, the Declaration of Honour and the Declaration of informed data consent should be signed by all partners of the TD project.

**What are the terms of “addressing expertise and/or services of the DIH-HERO network”, as stated in the eligibility criteria? Does it mean that we are free to use every service available or is there a distinctive list of services that are at our disposal?**

The TD proposal must be in connection with the DIH-HERO network, making use of one of the several services or expertise offered by the Digital Innovation Hubs of DIH-HERO. An initial list of the services offered by the DIH-HERO network can be found here. It is not allowed to include a DIH-HERO core partner in the project consortium to make use of the services and expertise.



## 9.4 Subcontracting

### **Is it possible to have an end-user who is a partner in a TD proposal as a subcontractor?**

No, this not possible. Subcontracting within a project consortium is not allowed.

### **What are the requirements for subcontracting?**

Direct costs of subcontracting (up to a maximum of 15%)

whereas,

- o subcontracting has to be necessary to implement the action.
- o subcontracting may cover only a limited part of the action.
- o awarding of subcontracts must be done ensuring the best value for money or, if appropriate, the lowest price principle.
- o any conflict of interests must be avoided.

In addition, the subcontracted party may not be part of the TD project consortium or one of the DIH-HERO partners.

## 9.5 Funding agreement and Payment

### **Who signs the funding agreement?**

The coordinating or lead SME/ slightly larger company will be asked to sign a contract with the University of Twente. Whereas the lead SME/slightly larger company will represent the TD consortium and the University of Twente will represent the DIH-HERO consortium.

### **Will the grant be paid to the lead SME to be distributed among the project consortium or will it be paid to each of the consortium partner individually?**

As the lead SME signs the contract the lead SME is responsible for the execution of the project and will also receive the grant to be distributed among the consortium partners of the project.

## 9.6 Other

### **What is meant by (novel use of) value chains inside and outside healthcare?**

The European Commission aims to accelerate the 'innovation cycle' throughout the entire value chain, making sure that the products and services are developed efficiently by connecting the relevant stakeholders. According to this aim the proposal should show if and in what way new/other/ or not immediately apparent linkages/partners within or from outside the healthcare domain are used and why they are used.

### **Is it possible to track the evaluation process as an applicant?**

During the evaluation process it is not possible to track the status of the individual proposals. The different applicants will be notified about the end result when the evaluation process has been finished.

### **I have received the acknowledgment email, however the links do not work what shall I do?**

Do not worry. The links in the acknowledgment email do not work on purpose. If you uploaded all the files correctly, and no error message occurred, your files are normally saved in the system without any problems.



## 10. Example cases and verdicts

The following examples and verdicts

### 10.1 Case 1

#### Case

A Belgian SME ( $250 < X < 500$ ) having an annual turnover €35 m is aimed to valorise a robotic technology together with a regional university and a hospital in a foreign country.

#### Verdict

1 SME and 1 end-user from 2 different countries are involved in an innovation project. -> Eligible, provided the clinical relevance of the solution.

### 10.2 Case 2

#### Case

An Italian university has licensed a technology via a spin-off and they together want to explore possibilities to certify and extend robotic product features by testing it collaborating with a hospital in Germany.

#### Verdict

As the spin-off fulfills the criteria of the SME or slightly bigger definitions there are 1 SME and 1 end-user from two different countries involved in project consortium so this proposal is eligible provided that the technology has clinical relevance.

### 10.3 Case 3

#### Case

A hospital (or surgeon) initiates an experiment idea for a robotic technology provided by an international large company with an R&D office in Holland (e.g. Medtronic, Philips, GE, Baxter, J&J)

#### Verdict

In this case there is no SME involved in the project. => Not eligible

### 10.4 Case 4

#### Case

A large company with an R&D office in Germany (e.g. Medtronic, Philips, GE, Baxter) is interested in licensing a SaaS platform from a Dutch start-up and is aimed to test it with their robot platform. They will apply for funding together because DIH-HERO connected them with a hospital network from Italy.

#### Verdict

DIH-HERO could assist them on connecting them with a SME as well. As soon as an applicable SME has been found it can apply for funding since than at least 1 SME and 1 end-user are involved in the consortium.

### 10.5 Case 5

#### Case

A company fulfilling the definition of a slightly larger company from Belgium is collaborating with a Dutch company working on transferring new technology from outside healthcare robotics to use it for clinical



application. In order to get to the following TRL they would like to make use of the test facilities of a Dutch University located in the neighborhood of the SME.

**Verdict**

Eligible as there are 2 SMEs or slightly larger companies from 2 different countries involved in the project. The SME or slightly larger company may use the funding to make use of the services of external parties.

### 10.6 Case 6

**Case**

An SME from Ireland together with an SME from Spain, work together in a consortium with a hospital in Italy. They would like the testing of their prototype to be subcontracted to the hospital.

**Verdict**

Not eligible, since services cannot be subcontracted to parties within the project consortium.

### 10.7 Case 7

**Case**

An institution involved in the DIH-HERO network has shares in an SME from in Luxembourg that forms a project consortium with another SME from Croatia, can they apply?

**Verdict**

Not eligible, since one of the SME's in the project consortium already receives support from a DIH-HERO partner, there exists a conflict of interest.

### 10.8 Case 8

**Case**

A project consortium otherwise eligible, only vaguely describes what services of the DIH-HERO service-directory they want to make use of.

**Verdict**

Not eligible, project consortia should clearly describe what services of the DIH-HERO network they will make use of. The different services can be found on the DIH-HERO in the service-directory.





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## Appendix 1: Proposal template (Example)

The call deadline is the June 30th, 2021 23:59 CEST

1 2 3 4 5 6 7 8 9 10 11

To be eligible for taking part in the Technology Demonstrator Call within the DIH-HERO project all of the following criteria must be fulfilled:

- a. Third parties receiving financial support must be a legal entity, being an SME or a slightly larger company from EU/EEA countries;
- b. At least two parties have to be involved (either two SMEs or slightly larger companies from two different EU/EEA countries, or one SME or slightly larger company and one end-user (e.g. hospital) from 2 different EU/EEA countries;
- c. The proposal must clearly state the relevant clinical demand for the intended robotic solution including a clear linkage to end-users;
- d. The proposal must address expertise and/or services of the DIH-HERO network;
- e. The proposal must fit to the call text;
- f. A third party may not receive more than 300k FSTP for the entire action duration;
- g. The Proposal must be written in English and submitted via the portal before the deadline;
- h. There must be no conflicts of interests with the DIH-HERO consortium partners.
- i. Third parties receiving financial support must be financially healthy (they have to sign a declaration of no financial problems).

For further information and requirements please see [TD Applicant Guide](#).

If you are sure to fulfil all the criteria given above, please continue with the next section.

NEXT

[Save and Continue Later](#)

1 2 3 4 5 6 7 8 9 10 11

## REQUIRED INFORMATION

The following information will be required in the submission form:

1. **Administrative Data:** Basic contact data of the TD project partners (e.g. full name of legal entity, type of company, company registration number, place of registration, VAT no., name of managing director, address, company website, as well as the name, telephone number and email address of the main contact person of the coordinating SME or slightly larger company);
2. **Key Data of the TD Project:** (e.g. full title of the TD; short name of the TD; brief description (short abstract of approx. 8 -10 lines) incl. an explanation on how you would like to demonstrate the feasibility of new, innovative and enhanced robotic solutions to accelerate the development of Healthcare robotics; targeted application domains; current TRL; project duration; Statement on legal agreement describing the rights and duties of each party to be negotiated among TD consortium partners), and statement on the TD announcement for publication (both given in the online form)
3. **TD Project Proposal** to be uploaded in pdf format;
4. **TD Estimated budget** to be uploaded in pdf format
5. **Signed Declaration of Honour** from all partners saved in pdf format;
6. **Signed Declaration of informed Consent for Data Processing** from all partners saved in pdf format;
7. **Questions for statistical purposes** (given in the online form)

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1 2 **3** 4 5 6 7 8 9 10 11

## 1. TD PARTNER INFORMATION

Please provide the general information about the project partners.

Fields marked with a (\*) are required.

Partner 1 (TD project coordinating SME or slightly larger company)

Full name of legal entity\*

Type of company\*

Please state the legal form of the entity.

SME or slightly larger company\*

☒ We confirm that we fulfill all criteria qualifying as a SME according to the EC definition.

☐ We confirm that we fulfill all criteria qualifying as a slightly larger company according to the EC definition.

Results of SME Self-assessment questionnaire\*

No file chosen Accepted file types: pdf.

Please upload the result page of the SME self-assessment questionnaire here as pdf, even if you do not qualify as SME.

Company registration number\*

This is the official registration number at which your company is registered in your country (e.g. chamber of commerce).

Place of registration\*

VAT number\*

Name of Managing Director\*

PIC code (optional)

0 of 9 max characters

This is a 9-digit number serving as a unique identifier for organisations (legal entities) participating in EU funding programmes. If you have not participated in an EU funding programme before, please move to the next question.

Address\*

Street Address	ZIP / Postal Code	City	Country
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="▼"/>

Company website

## MAIN CONTACT PERSON

Please provide the contact information of the person who administers the entire process.

An account will be created using the provided email address.

Name\*

First	Last
<input type="text"/>	<input type="text"/>

Telephone\*

Email address\*

We advise you to use a functional email address that is not tied to a single person.

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## TD Partner 2

Full name of legal entity\*

Type of company\*

*Please state the legal form of the entity.*

SME, slightly larger company or end-user\*

- ☐ We confirm that we fulfill all criteria qualifying as a SME according to the EC definition.
- ☐ We confirm that we fulfill all criteria qualifying as a slightly larger company according to the EC definition.
- ☐ We confirm that we fulfill all criteria qualifying as an end-user.

Company registration number\*

*This is the official registration number at which your company is registered in your country (e.g. chamber of commerce).*

Place of registration\*

PIC code (optional)

0 of 9 max characters

*This is a 9-digit number serving as a unique identifier for organisations (legal entities) participating in EU funding programmes. If you have not participated in an EU funding programme before, please move to the next question.*

Address\*

Street Address	ZIP / Postal Code	City	Country
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="▼"/>

Company website

## MAIN CONTACT PERSON

Please provide the contact information of the person who administers the entire process for Partner 2.

Name\*

First	Last
<input type="text"/>	<input type="text"/>

Telephone\*

Email address\*

Additional Partner

☐ Add an additional partner

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### TD Partner 3

Full name of legal entity\*

Type of company\*

*Please state the legal form of the entity.*

SME, slightly larger company, end-user or other organisation\*

- ☐ We confirm that we fulfill all criteria qualifying as a SME according to the EC definition.
- ☐ We confirm that we fulfill all criteria qualifying as a slightly larger company according to the EC definition.
- ☐ We confirm that we fulfill all criteria qualifying as an end-user.
- ☐ We confirm that we are not an SME, slightly larger company or end-user.

Company registration number\*

*This is the official registration number at which your company is registered in your country (e.g. chamber of commerce).*

Place of registration\*

PIC code (optional)

0 of 9 max characters

*This is a 9-digit number serving as a unique identifier for organisations (legal entities) participating in EU funding programmes. If you have not participated in an EU funding programme before, please move to the next question.*

Address\*

Street Address	ZIP / Postal Code	City	Country
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="▼"/>

Company website

Additional Partner 4

☐ Add an additional partner

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## 2. KEY DATA OF THE TD PROJECT

Please provide the general information about the TD Project here.

*Fields marked with a (\*) are required.*

Full title of the TD project\*

Short name of the TD project\*

TD project abstract\*

0 of 3000 max characters

*Please give a short description of your TD project including purpose, aim and a short explanation on how you would like to demonstrate the feasibility of new, innovative and enhanced robotic solutions to accelerate the development of Healthcare robotics. Approximately 8-10 lines*

Clinical problem to be addressed by the TD project\*

0 of 3000 max characters

*Please describe the clinical problem which should be addressed/solved by the TD project. (Approx. 6-8 lines)*

Major healthcare robotics application domain targeted by the TD project\*

☐ Diagnostic Robotics

☐ Interventional Robotics

☐ Rehabilitation Robotics

☐ Robotics supporting patients

☐ Robotics supporting healthcare professionals

*Please choose the major healthcare robotics application domain targeted by the TD project.*



Starting TRL\*

0 of 1000 max characters

*Please give the TRL the innovation has at the start of the TD project and explain briefly why you consider your innovation to be at the current TRL.*

Expected duration of the TD project\*

*The maximum duration of the TD project is ≤ 9 months.*

Statement concerning legal agreement among the TD project partners\*

- ☐ The TD project partners will negotiate and sign an agreement describing all rights and duties of each party involved. If the TD will be financially supported, we will send it by email no later than one month after the TD start to: dih-healthcare@utwente.nl
- ☐ The TD project partners have already signed an agreement describing all rights and duties of each party involved. If the TD will be financially supported, we will send it by email no later than one month after the TD start to: dih-healthcare@utwente.nl

Statement on publishing the key data of the TD project\*

- ☐ The TD key data can be published after approval of the TD financial support.

Statement on publishing the TD project abstract\*

- ☐ The TD project abstract can be published at the end of the TD and after the delivery of the public abstract.

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## 4. TD PROJECT PROPOSAL

Please upload your TD project proposal as well as the accompanying declarations here.

*Fields marked with a (\*) are required.*

TD project proposal\*

No file chosen

Accepted file types: pdf.

Budget estimation\*

No file chosen

Signed declaration of honour (of all the parties combined in one document)\*

No file chosen

Accepted file types: pdf.

*Please combine the declarations of honour of all project partners in one pdf and upload the combined pdf file here.*

Signed declaration of informed consent for data processing ((of all the parties combined in one document)\*)

No file chosen

Accepted file types: pdf.

*Please combine the declarations of informed consent for data processing of all project partners in one pdf and upload the combined pdf file here.*

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## 5. QUESTIONS FOR STATISTICAL PURPOSES

Have you or one of your partners already been awarded a grant under one of the previous DIH-HERO open calls?\*

☐ Yes

☐ No

How did you get aware of the current TD call?\*

☐ EC Funding and tender portal

☐ DIH-HERO website

☐ DIH-HERO social media (e.g. LinkedIn)

☐ DIH-HERO newsletter

☐ DIH-HERO flyer

☐ Online search

☐ Word of mouth

☐ Other - please specify

How did you find your TD project partners?\*

Which services would be required from the DIH-HERO network to perform your TD project successfully?\*

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Privacy statement\*

☐ I agree to the [privacy statement](#) of DIH-HERO

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SUBMIT

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## **Appendix 2: DIH-HERO Consortium Members**

1. Universiteit Twente (UT)
2. Universitätsklinikum Aachen (Aachen)
3. Fraunhofer Gesellschaft zur Förderung der angewandten Forschung e.V. (FhG-IPA)
4. Commissariat à l'énergie atomique et aux énergies alternatives (CEA)
5. Scuola Superiore di Studi Universitari e Perfezionamento Sant'Anna (SSSA)
6. Politecnico di Milano (POLIMI)
7. Fondazione Istituto Italiano di Tecnologia (IIT)
8. Fundacion TecNALIA Research & Innovation (TECNALIA)
9. Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR)
10. Imperial College of Science Technology and Medicine (Imperial)
11. Teknologisk Institut (DTI)
12. Interuniversitair Micro-electronica Centrum (IMEC)
13. Elektrotehnički fakultet, Univerzitet u Beogradu (ETF)
14. Eidgenössische Technische Hochschule Zürich (ETH Zürich)
15. Fundacja Rozwoju Kardiologii im. prof. Zbigniewa Religi (FRK)
16. FUNDACIO EURECAT (EURECAT),
17. ITECHNIC GMBH (iTechnic),



### Appendix 3: Declaration of honour

#### Declaration of honour

☐ The undersigned, hereby declares and confirms the following:

- We have read, understood and will comply with the open call details and requirements.
- All information provided in the DIH-HERO Technology Demonstrator proposalsubmitted by our entity is correct and complete.
- The information on the organisation's legal status submitted is correct (e.g. type of legal entity, in particular with respect to the SME and slightly larger company status).
- We are aware of the fact that we can withdraw the DIH-HERO technology demonstrator proposal at any time, and we will not be penalised for withdrawing.
- Our company is not in any situation, which would exclude us from receiving financial support from third parties.
- Our company is not under liquidation or in financial difficulty.
- Our company is not subject to a conflict of interest in connection with the cascade funding.
- We will inform the DIH-HERO consortium, without delay, of any situation considered a conflict of interest or which could raise a conflict of interest.
- We will process any personal data in compliance with the applicable EU and national law on data protection.

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Name entity representative

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Date

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Signature



## Appendix 4: Declaration of informed consent for data processing

### Declaration of informed consent for data processing and storage

☐ The undersigned hereby declares and confirms the following:

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- I have read and understood the open call details and requirements.
- I am aware of the fact that the contact and company details provided in the proposal submission form will be processed by the DIH-HERO consortium for the purposes of the open call for technology demonstrators under the DIH-HERO innovation action.
- I am aware of the fact that the contact and company details provided will be stored by the DIH-HERO consortium for reporting purposes to the European Commission.
- I am aware of the fact that any personal data obtained in the framework of the DIH-HERO Technology Demonstrator call will be processed in compliance with the Regulation (EU) 2016/679 General Data Protection Regulation.

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Name entity representative

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Date

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Signature