

An aerial photograph of an industrial facility, likely an oil or gas processing plant. It shows several large, circular storage tanks and a dense network of white pipes and walkways connecting them. The ground is a mix of dirt and concrete.

CFM CHALLENGE

Five challenges to accelerate robotic technology development and deployment for Cleaning & Fabric Maintenance

SPRINT Robotics is seeking proposals to find demonstrable robotic technologies that can be used for the cleaning & fabric maintenance of storage tanks, pressure vessels, process piping, and their associated supporting infrastructure. The focus is on existing and new robotic tools near commercialization that can eliminate Confined Space Entries (CSE), Scaffolding, or Rope Access (RA) while performing cleaning or fabric maintenance activities.

The CFM Challenge is initiated by several subject matter experts from major oil & gas and petrochemical companies that form the SPRINT Robotics Task Force Cleaning & Fabric Maintenance.

CFM Challenge #1: Crude Storage Tanks

CFM Challenge #2: Pressure Vessels

CFM Challenge #3: Process Piping

CFM Challenge #4: Floating, Production, Storage, & Offloading (FPSOs)

CFM Challenge #5: Open Call



CFM CHALLENGE

www.sprintrobotics.org/cfm-challenge

FIVE CFM CHALLENGES

CFM Challenge #1: Crude Storage Tanks

In-Service or out-of-service cleaning and fabric maintenance of large crude tanks

CFM Challenge #2: Pressure Vessels

Internal out-of-service cleaning and fabric maintenance

CFM Challenge #3: Process Piping

Platform to remove coatings (e.g. FBE) in the ditch or in the rack

CFM Challenge #4: Floating, Production, Storage, & Offloading (FPSOs)

Complex elevated surfaces with limited access

CFM Challenge #5: Open Call

WINNING SOLUTION

One winning solution provider will receive a reward of €50.000, and the opportunity to further develop their solution and its application through direct meetings with the Task Force assisting the overall development program with asset owner insights. Additionally, the solution is intended to be deployed on a client site (or virtually in a simulated environment), where the providers can see their solutions in action and gain valuable information from the full-scale real-world deployment.

SUBMIT YOUR PROPOSAL

The submission requirements, timeline, and all other relevant information can be found on www.sprintrobotics.org/cfm-challenge. The deadline to submit proposals for the CFM Challenge is **August 31, 2020**. For inquiries, please contact us at sprintrobotics@sprintrobotics.org

TASK FORCE CLEANING & FABRIC MAINTENANCE MEMBERS:

