ENGINEERING
TOMORROW

The perfect App (TPA)

Danfoss and Danfoss Link™

With more than 24,000 employees and customers in more than 100 countries Danfoss is one of the leading engineering companies in the world. The vision of Danfoss is to engineer technologies that enable the world of tomorrow to do more with less. One example of this is the Danfoss Link™ system which can be extended with a mobile app developed in close coorporation between Danfoss and Trifork. Through the app, the Danfoss Link™ system offers precise temperature control to your home to ensure total comfort. During the daytime, the thermostats maintain your preferred comfort temperature. At night, they automatically lower the temperature to a temperature ideal for healthy and refreshing sleep. The Danfoss Link™ App lets you effortlessly control both electronic radiator thermostats and floor heating both individually and combined.

24/7
home heating
control from
anywhere with the
Danfoss Link™ App

The software distribution challenge

Building a mobile app like Danfoss Link™ in a global world introduces new challenges and disciplines into software development. The established market places such as App Stores and GPlay cannot and should not be used for distributing preliminary and maybe even unstable development- and test versions of the app as it evolves during development. TPA is the perfect alternative distribution channel for this. But TPA is more than that. TPA ensures that valuable information about unstable apps (crashes) appear at a detailed level at the developers', it is a gateway to send constructive feedback from end users and testers to the development team, is gives important statistics about app usage and much more. TPA is the prefect tool to short circuit the path between development team and testers and users at all levels. TPA simply

helps the entire team build The Perfect App.

Distributed teams

Developing the Danfoss Link™ mobile app for iOS and Android in a distributed team located at various locations in Denmark and Switzerland and with beta testers in several countries, TPA was from the beginning the obvious tools to use. Using TPA Danfoss was able to not only get our software out to all our testers but also to have designers, testers and potential end users helping us to do quick experiments and to try out new ways of working with the relevant Danfoss products; everything summing up to a richer mobile app giving more value to the end users.

Quality assurance

Danfoss' market leading position is the result of top products all undergoing a disciplined quality assurance programme. TPA has become the key to apply the same quality to mobile apps development. TPA's terms of users and groups allowed us to distribute the right apps to the right persons at various stages during development. Notions such as daily builds, internal and external test apps, and milestone releases were distributed and updated to all relevant project parties from developer to manager level within the organisation helping the team to receive feedback from end users at all levels whenever it made sense to the project.

Furthermore using TPA, we could release the final app to Danfoss' sales force before making it available to the public through App Store and GPlay.

World wide distribution

The Danfoss Link™ system has been launched in several countries. TPA allows Danfoss to monitor the usage of the Danfoss Link™ apps per country and to see if app usage matches the Danfoss Link™ system sales numbers and hereby adjust and target marketing campaigns to follow actual demands and needs.

"TPA is the perfect tool to shortcut the path between development teams, testers and users at all levels. Using TPA, we could release the final app to Danfoss' sales force before making it available to the public."

Jesper N. Vraa, Project Manager, Danfoss