<launch>

<!-- Arguments -->

<arg name="model" default="$(env TURTLEBOT3\_MODEL)" doc="model type [burger, waffle, waffle\_pi]"/>

<arg name="map\_file" default="$(find turtlebot3\_navigation)/maps/map.yaml"/>

<arg name="open\_rviz" default="true"/>

<arg name="move\_forward\_only" default="false"/>

<!-- Turtlebot3 -->

<include file="$(find turtlebot3\_bringup)/launch/turtlebot3\_remote.launch">

<arg name="model" value="$(arg model)" />

</include>

<!-- Map server -->

<node pkg="map\_server" name="map\_server" type="map\_server" args="$(arg map\_file)"/>

<!-- AMCL -->

<include file="$(find turtlebot3\_navigation)/launch/amcl.launch"/>

<!-- move\_base -->

<include file="$(find turtlebot3\_navigation)/launch/move\_base.launch">

<arg name="model" value="$(arg model)" />

<arg name="move\_forward\_only" value="$(arg move\_forward\_only)"/>

</include>

<!-- rviz -->

<group if="$(arg open\_rviz)">

<node pkg="rviz" type="rviz" name="rviz" required="true"

args="-d $(find turtlebot3\_navigation)/rviz/turtlebot3\_navigation.rviz"/>

</group>

</launch>