

# Machine Learning Engineer technical challenge

Firstly we ask you to pull and save some data from the Carbon Intensity - <https://carbonintensity.org.uk/>. We would like data to be pulled every 30 mins.

Use /intensity to get the carbon intensity, and include the forecast of intensity using one of the endpoints described in the documentation such as /intensity/{from}/fw24h.

We’d like you to create a (very!) simple model to predict future carbon intensity. This could be as simple as a linear regressor trained on a couple of timesteps.

The model predict and data ingestion should be containerised, with instructions to run the container provided in a README.

Feel free to include a pre-trained model – don’t worry at all about including any model training logic in the code.

Note that we’re not interested in model performance for this task – only the engineering that enables the model to run. We won’t be considering model accuracy at all for this exercise.

Try not to spend more than 3 hours on this task. If the task is going to take you longer than 3 hours, please send us what you have and write in the documentation what you would do next. Please send us your code as a compressed archive e.g. zip, tar.gz, bzip2 etc.   
  
Happy coding

Habitat Energy Tech team