

## Adapting Service lifeCycle towards EfficienT Clouds





Methods for measuring, analysing and evaluating energy use



Framework with identified energy efficiency parameters and metrics



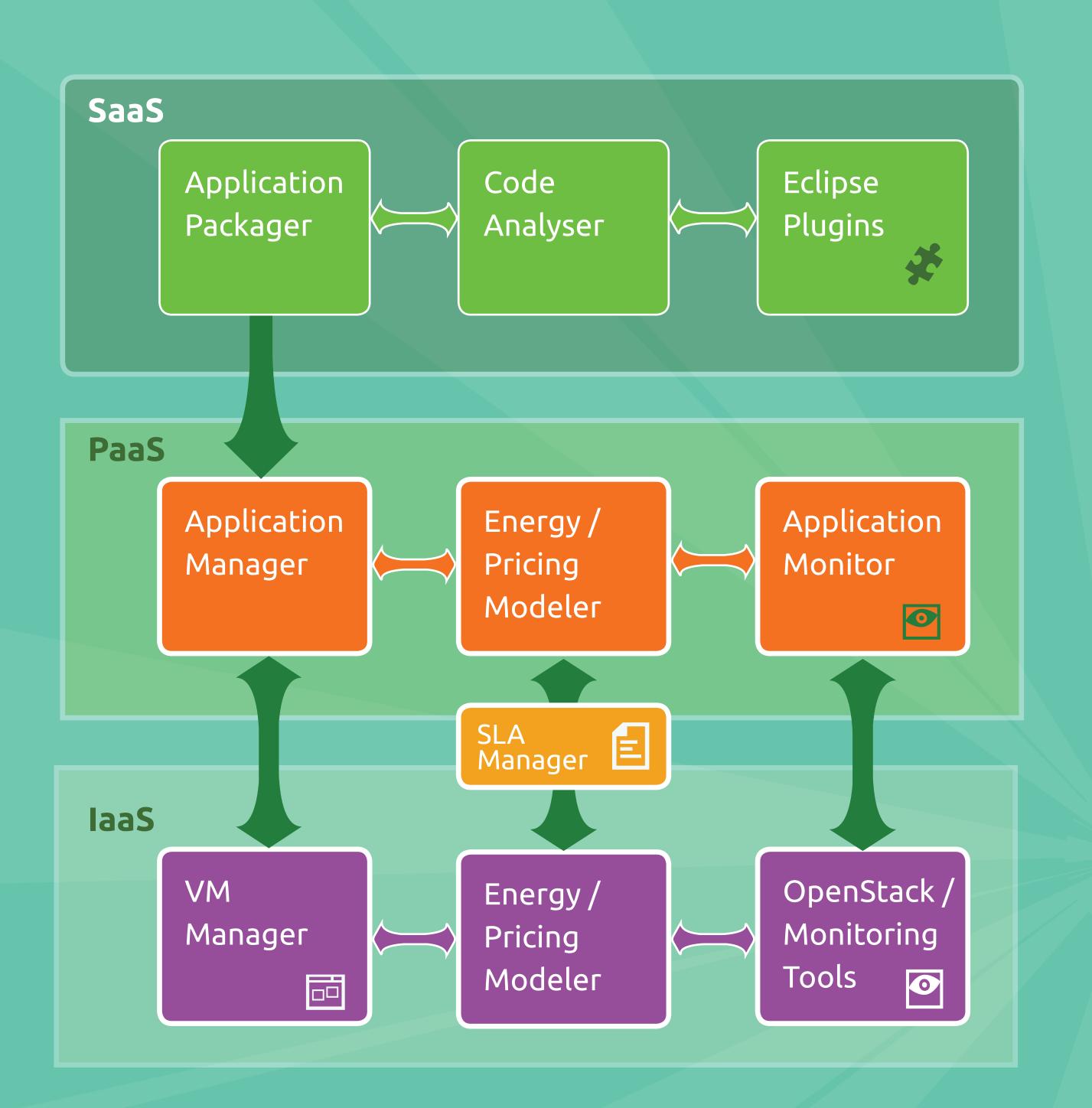
Models for green and efficient software design



Energy and quality efficiency integration into service construction, deployment and operation

## Engineering Greener Clouds





SaaS layer facilitates the modelling, design and construction of Cloud applications

PaaS layer provides middleware functionality for a Cloud application and facilitates the energy-aware deployment of the app as a whole

laaS layer considers the admission, allocation and management of virtual resources



















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